

APPROVED BY DRAFTSMAN	O.G. FIG. 50, 59	
	CLASS 582	SUBCLAS 270

FIG. 1A
PRIOR ART

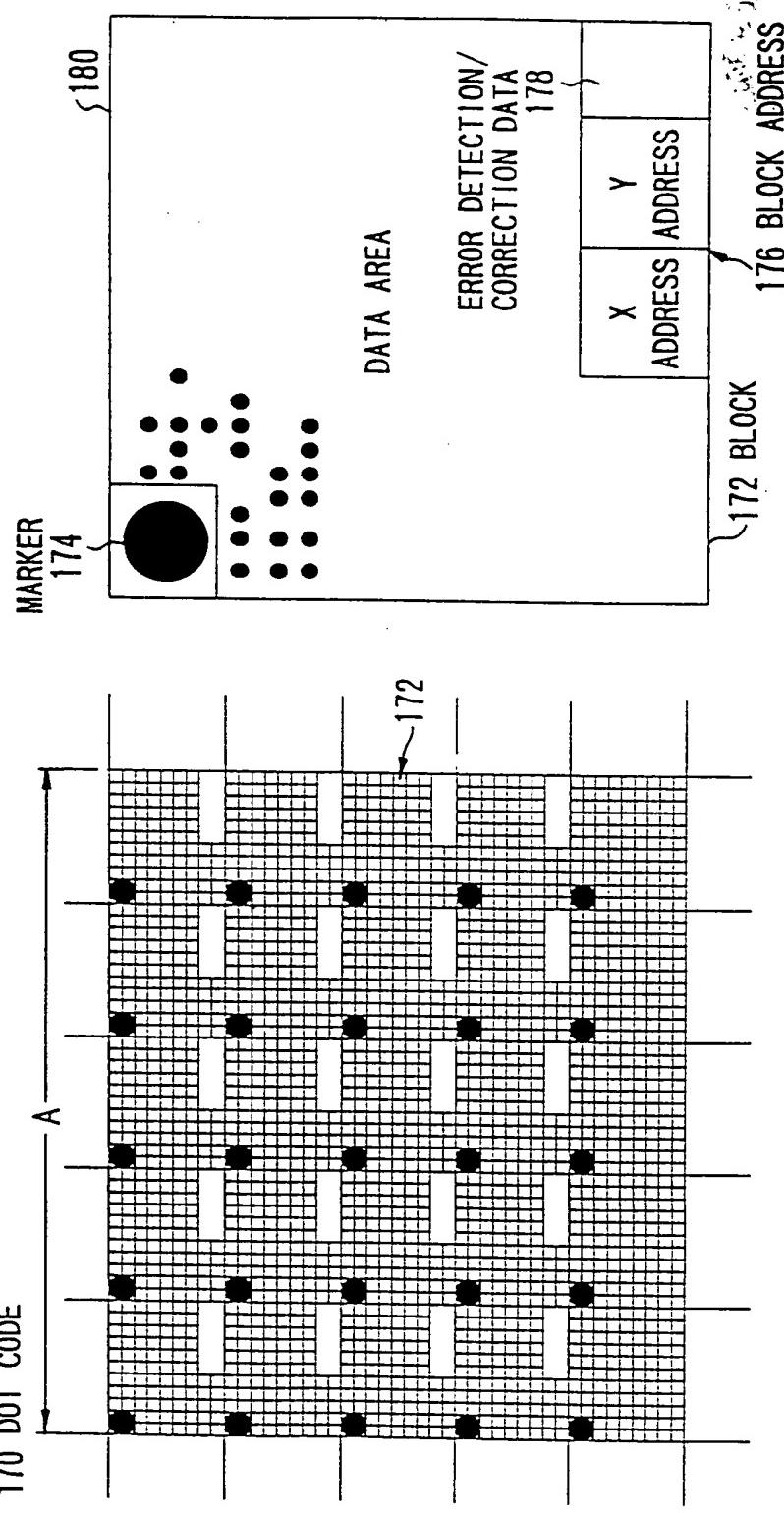
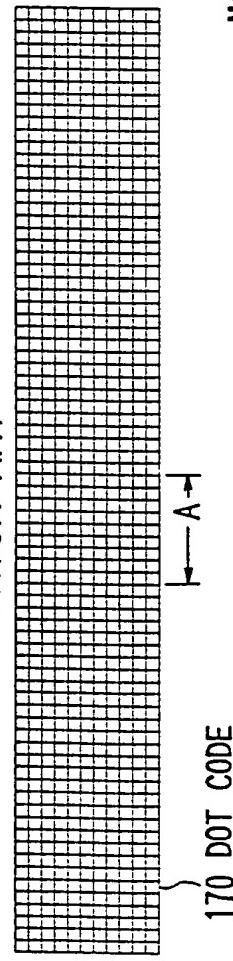
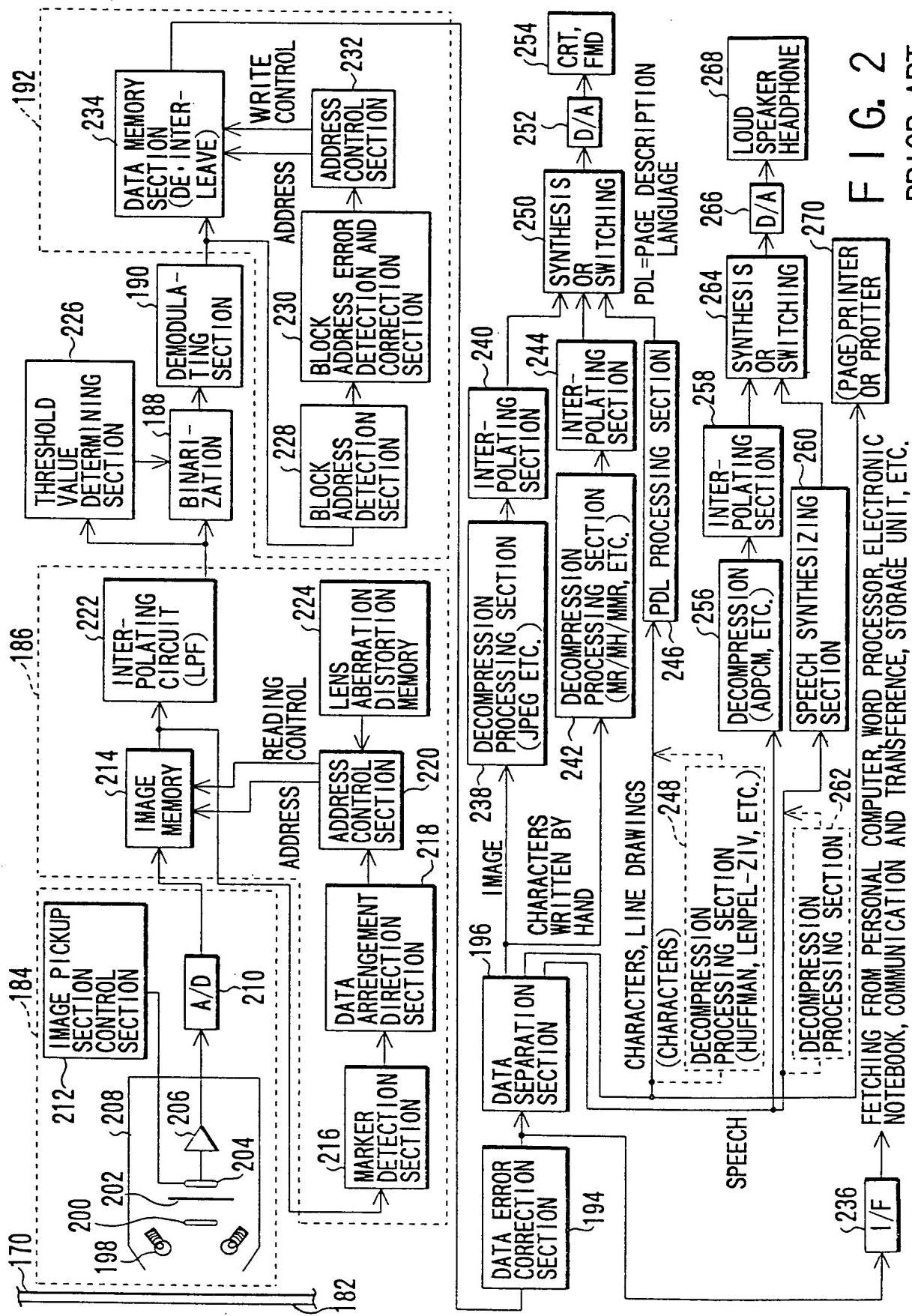


FIG. 1B
PRIOR ART

6219460

FIG. 1C
PRIOR ART



APPROVED BY DRAFTSMAN	O.G. FIG.
	CLASS SUBCLASS

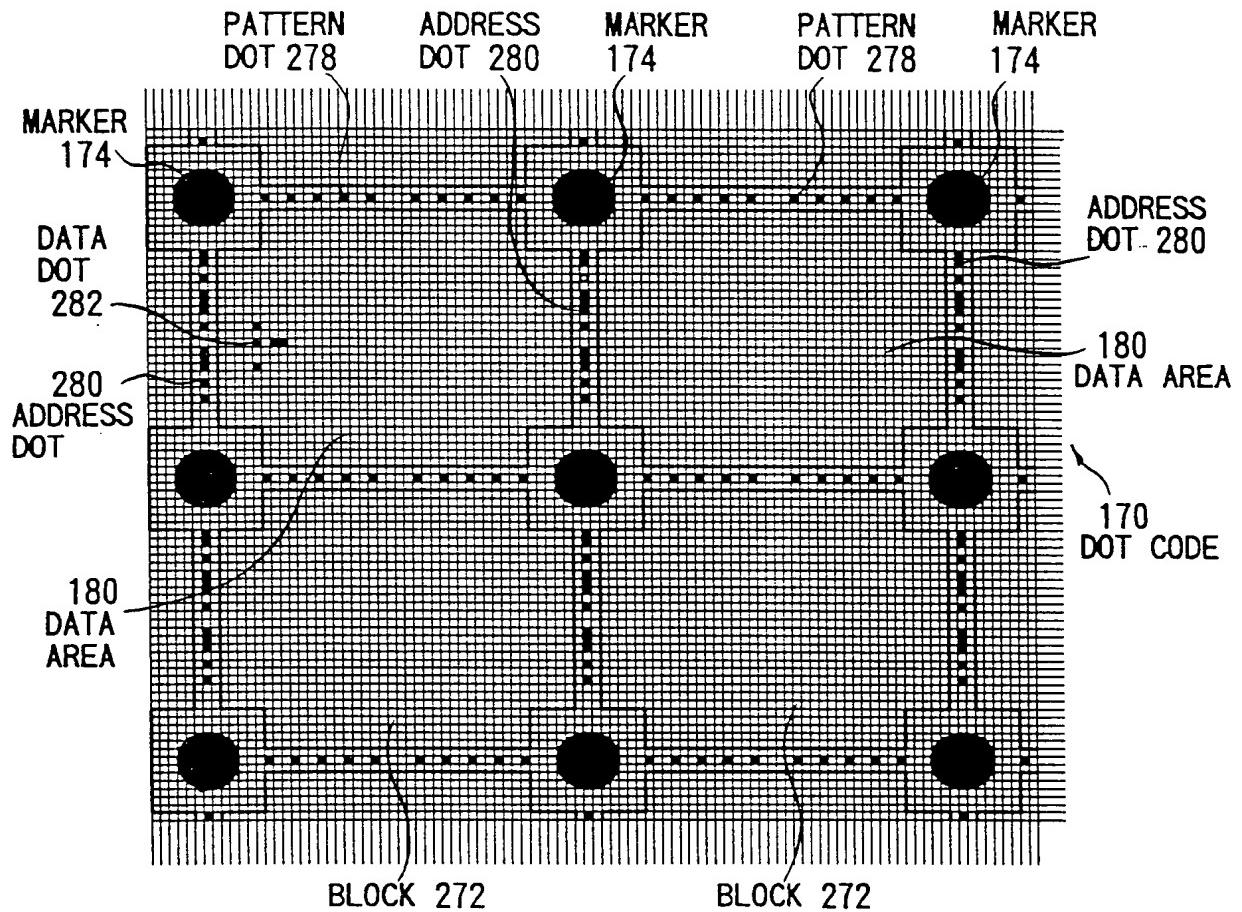


FIG. 3

PRIOR ART

APPROVED BY DRAFTSMAN	O.G. FIG.
	CLASS SUBCLASS

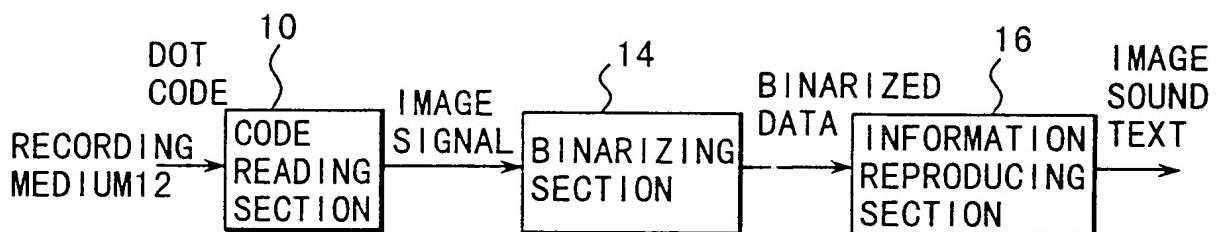


FIG. 4A

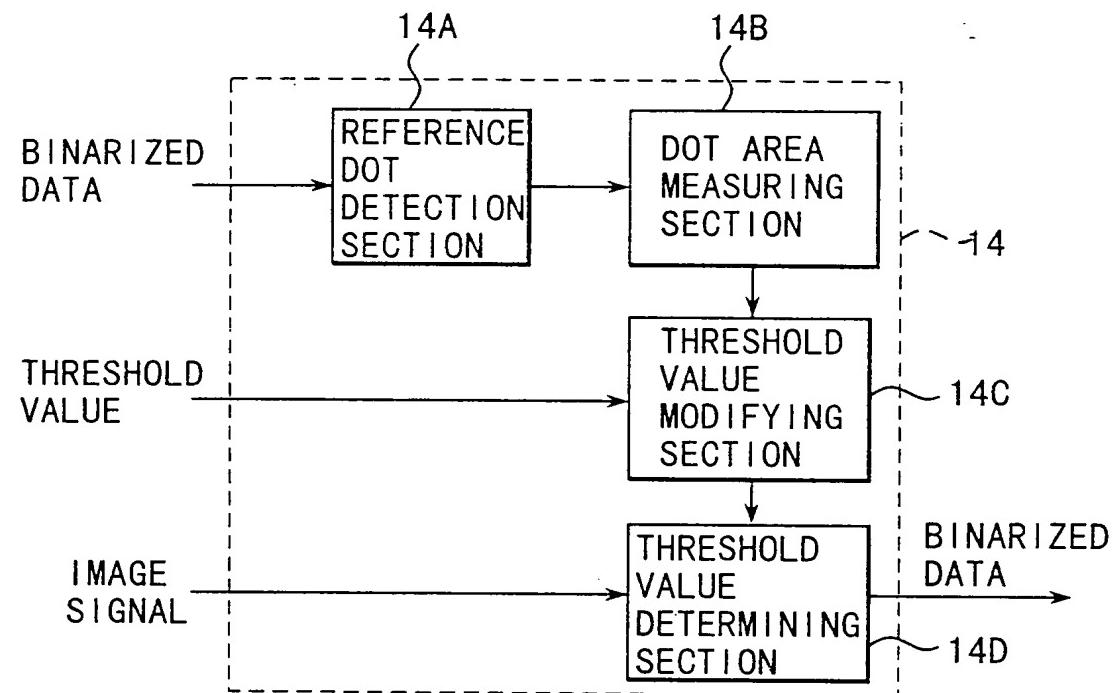


FIG. 4B

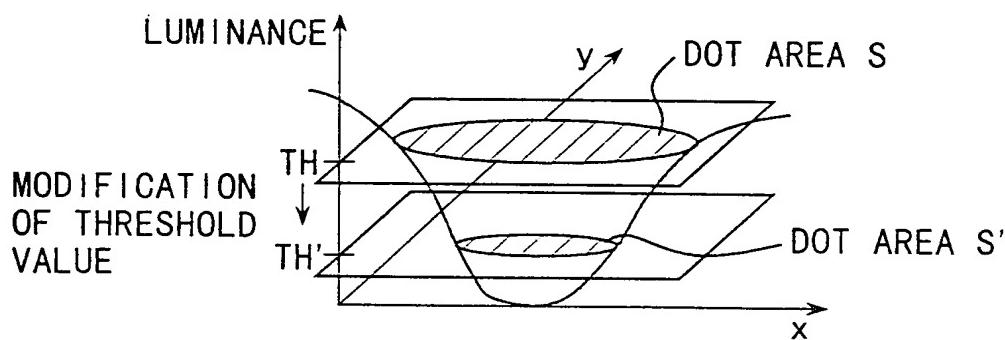


FIG. 5

APPROVED BY DRAFTSMAN	O.G. FIG.
	CLASS SUBCLASS

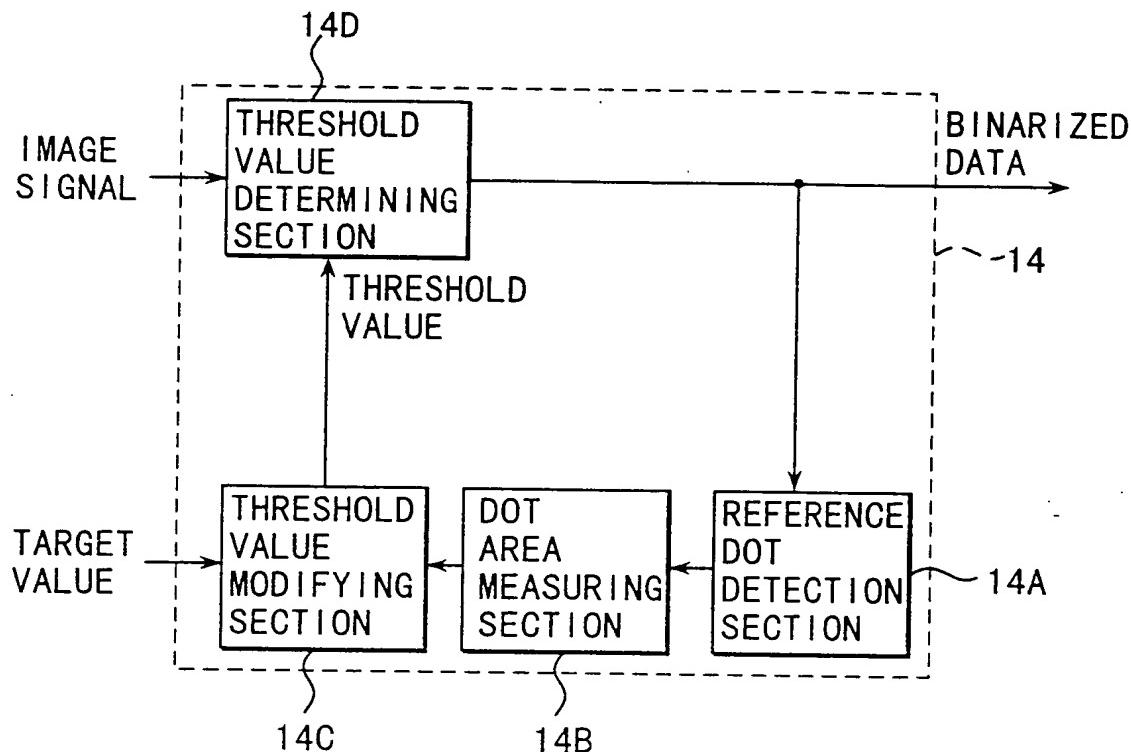


FIG. 6 A

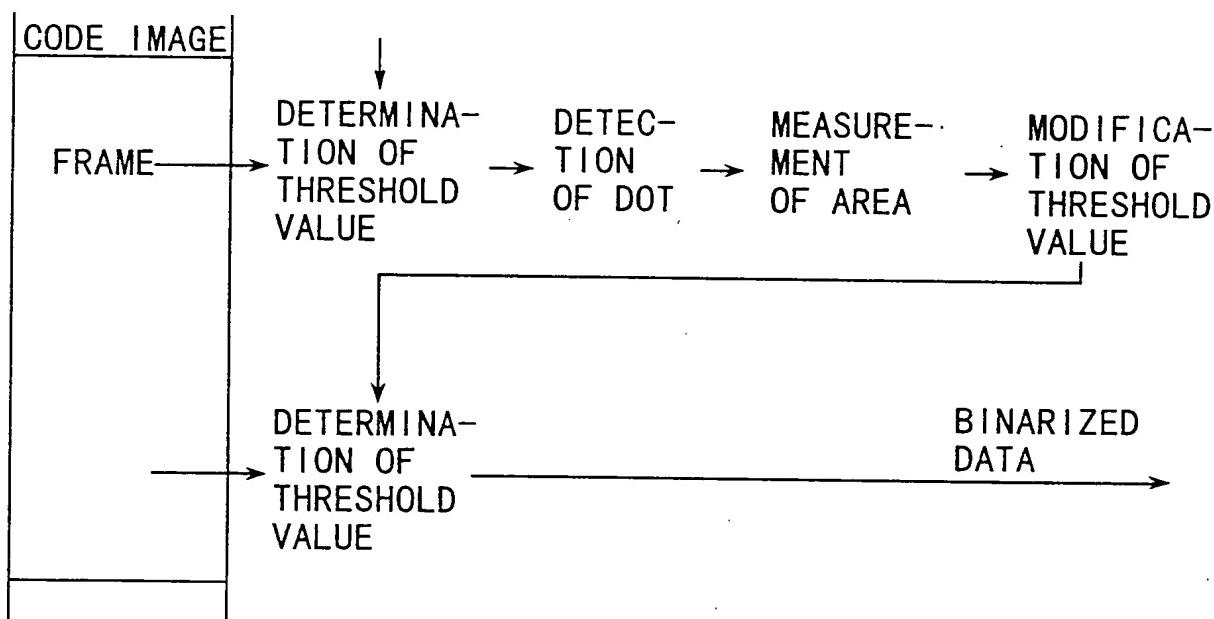


FIG. 6 B

APPROVED BY DRAFTSMAN	O.G. FIG.
	CLASS SUBCLASS

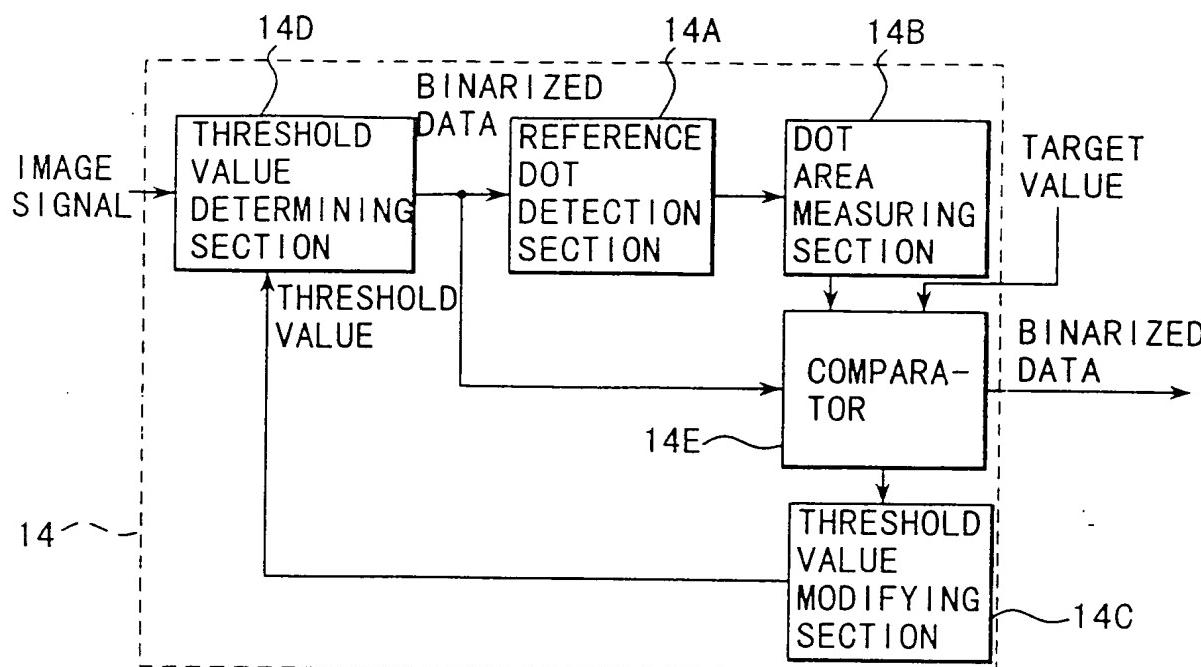


FIG. 7

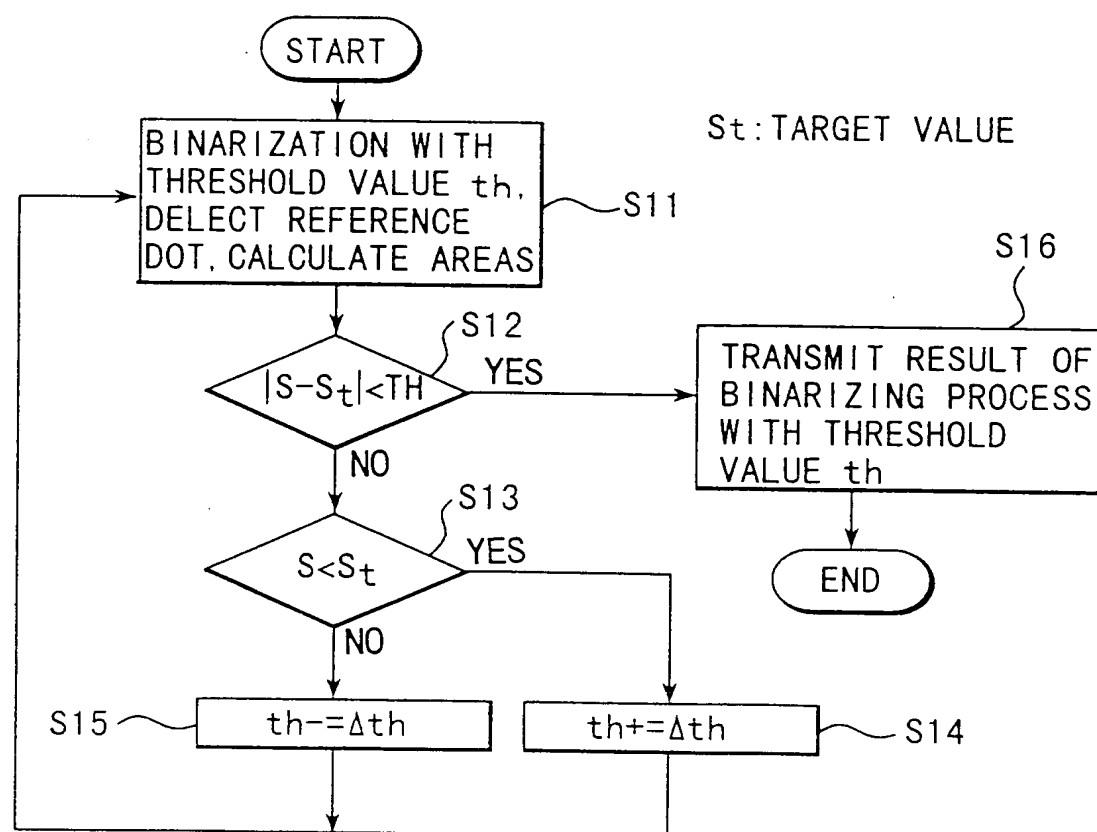


FIG. 8

APPROVED BY DRAFTSMAN	O.G. FIG.
	CLASS SUBCLAS6

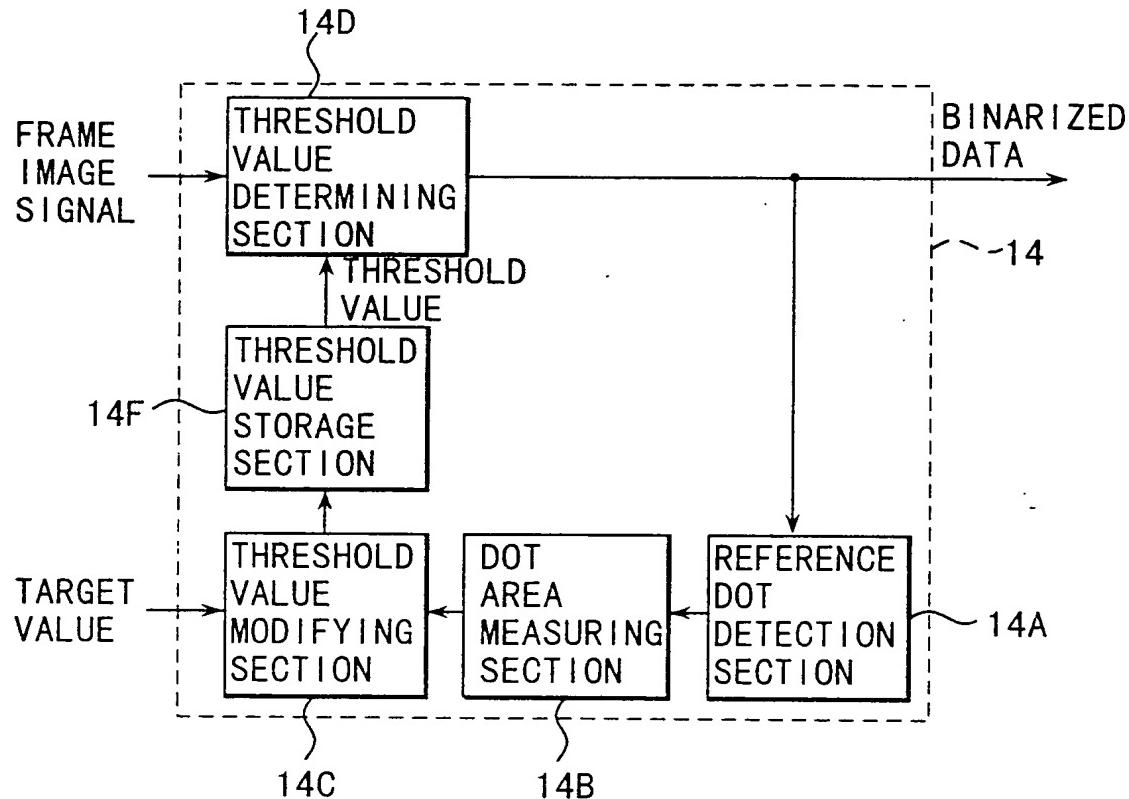


FIG. 9 A

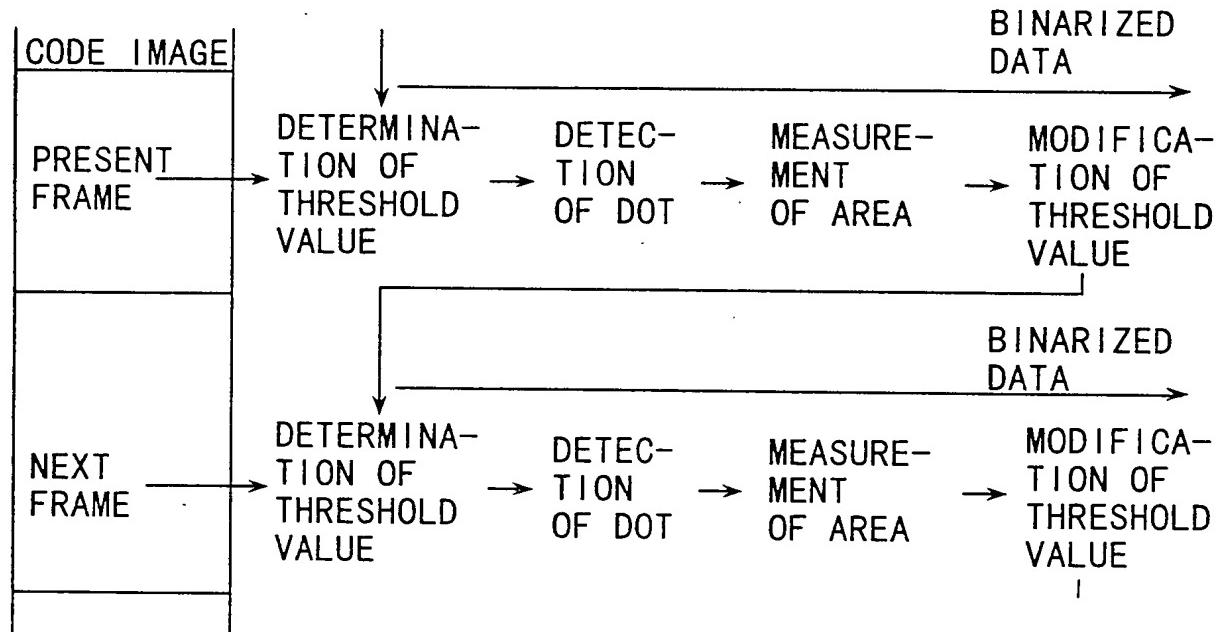


FIG. 9 B

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

FIG. 10 A

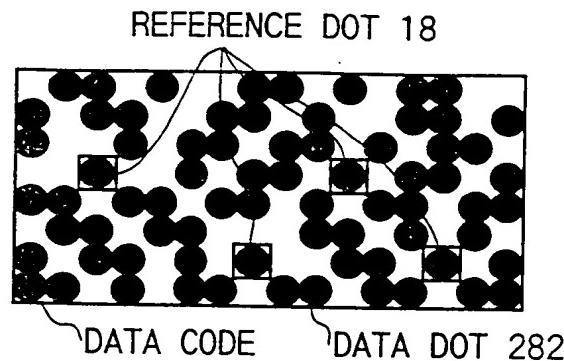


FIG. 10 B

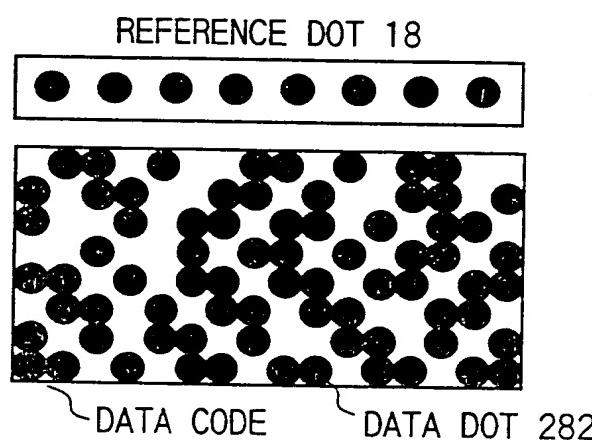


FIG. 11 A

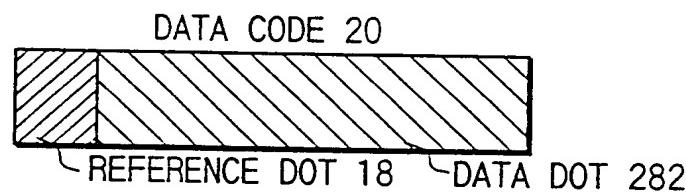


FIG. 11 B

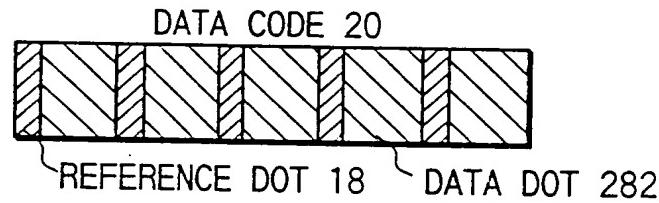
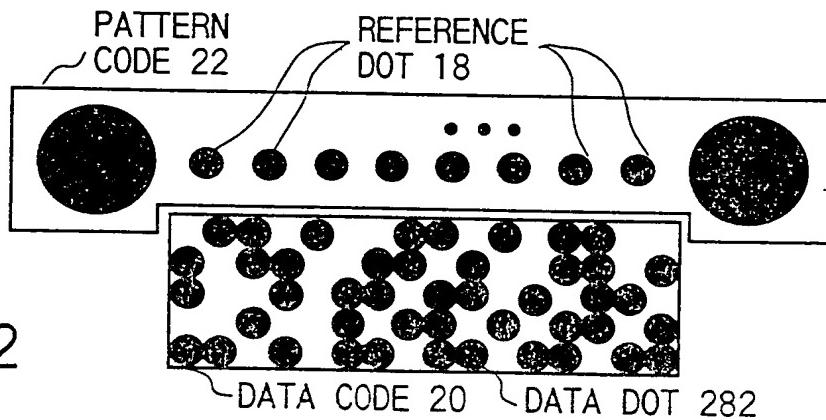
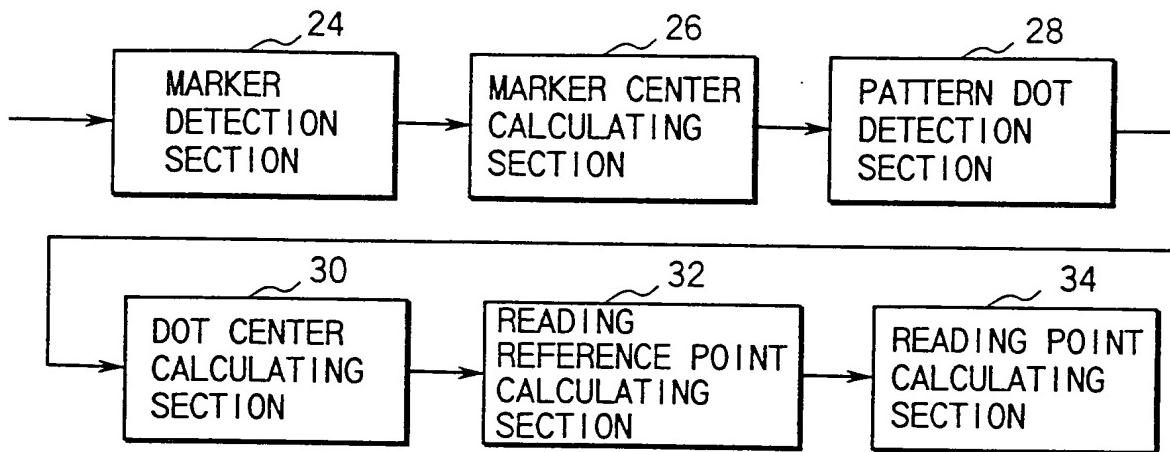


FIG. 12

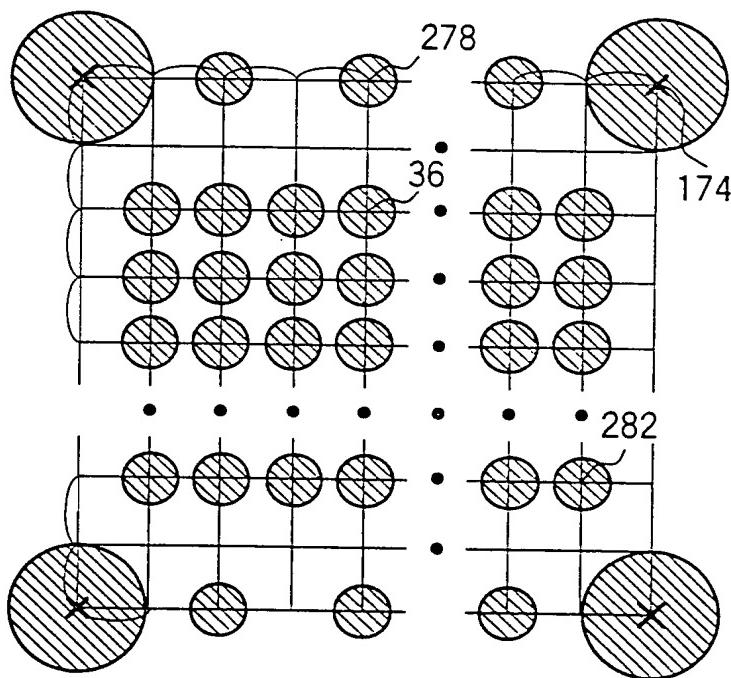


DRAFTSHEET - DRAFTSHEET

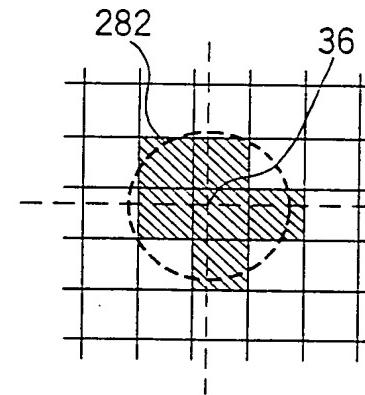
APPROVED BY DRAFTSMAN	O.G. FIG.
	CLASS SUBCLAS6



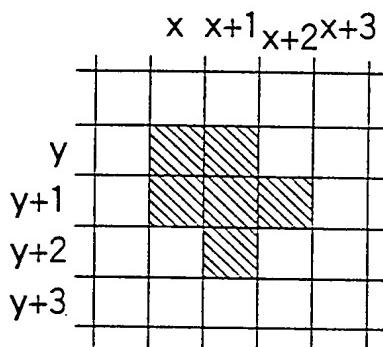
F I G. 1 3



F I G. 1 4



F I G. 1 5



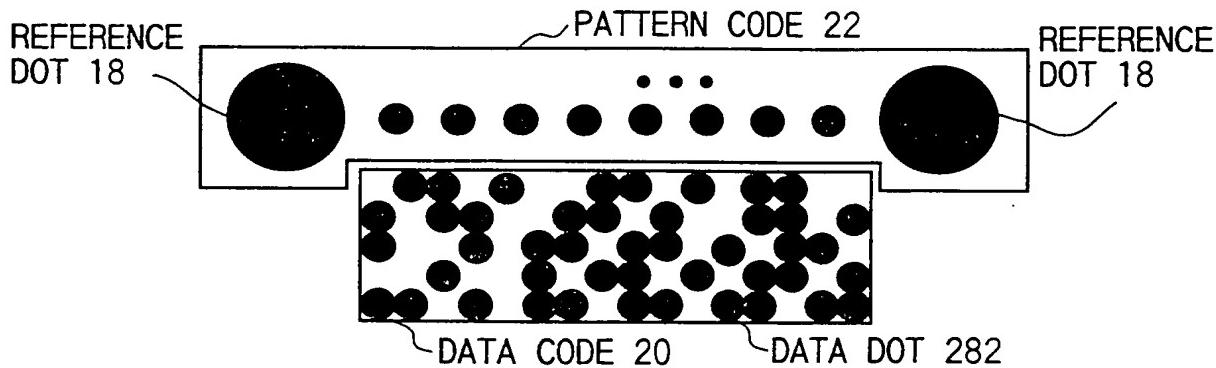
BLACK PIXEL: $P_1(x, y), P_2(x+1, y), P_3(x, y+1),$
 $P_4(x+1, y+1), P_5(x+2, y+1),$
 $P_6(x+1, y+2)$

AREA (=TOTAL SUM OF BLACK PIXELS): 6

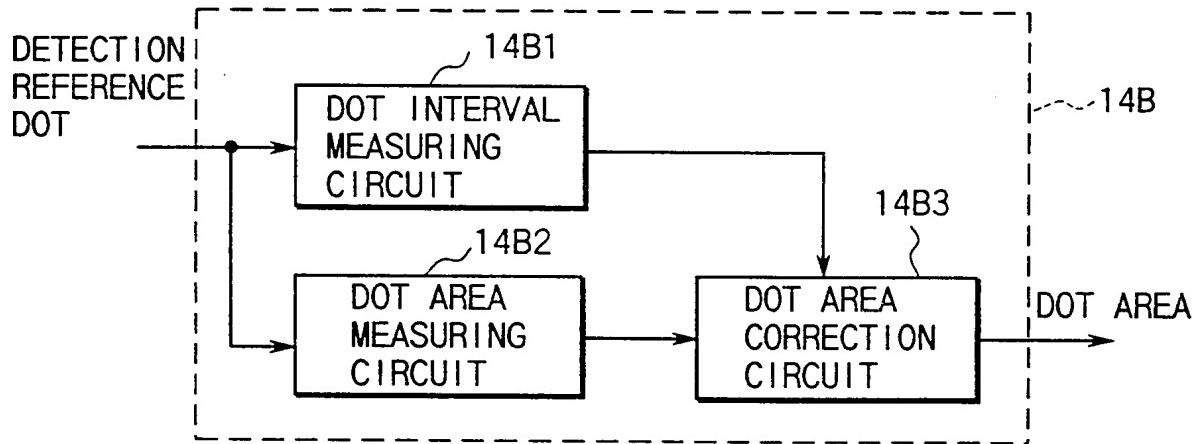
CENTROID ID:

$$C = \frac{1}{6} \sum_{n=1}^6 P_n = \left(x + \frac{5}{6}, y + \frac{5}{6} \right)$$

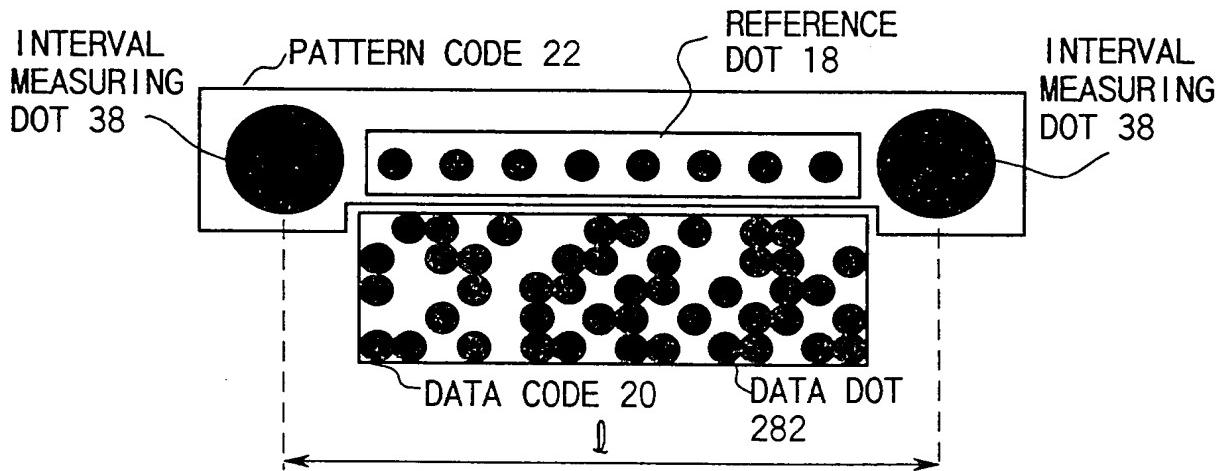
F I G. 1 6



F I G . 1 7



F I G . 1 8

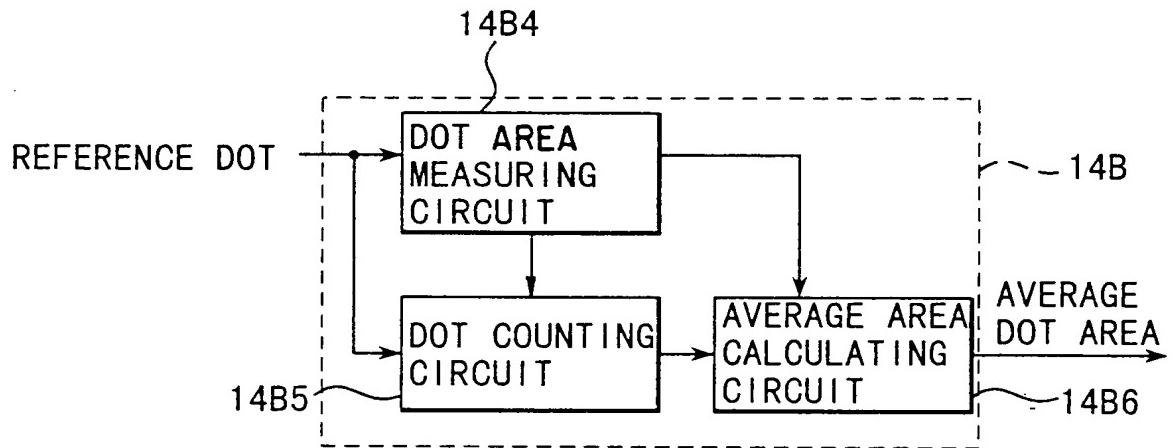


$$S' = \left(\frac{l}{L}\right)^2 S$$

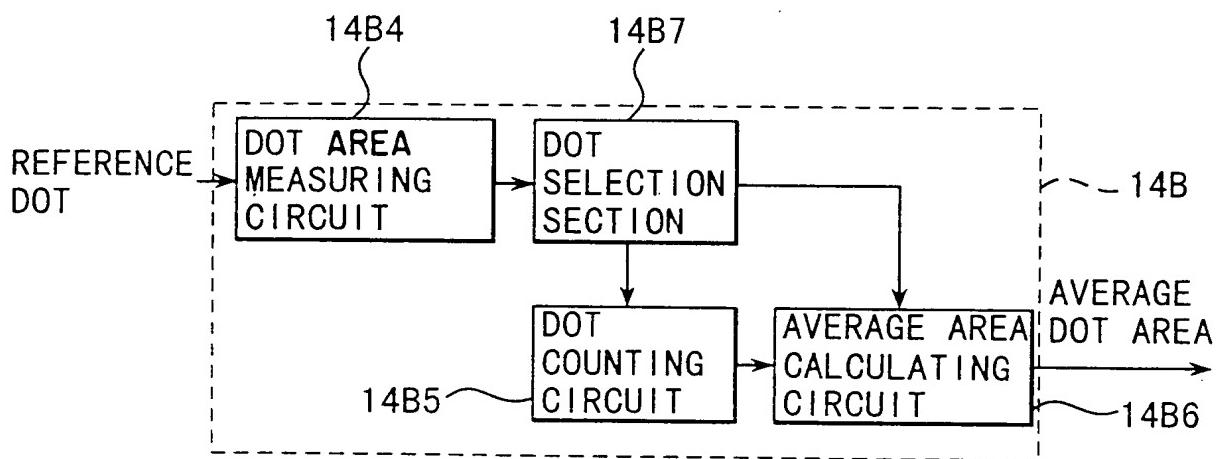
S: AREA BEFORE CORRECTION l: DOT INTERVAL
 S': AREA AFTER CORRECTION L: REFERENCE DOT INTERVAL

F I G . 1 9

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLAS6
DRAFTSMAN		



F I G . 2 0



F I G . 2 1

APPROVED BY DRAFTSMAN	O.G. FIG. CLASS	SUBCLASS
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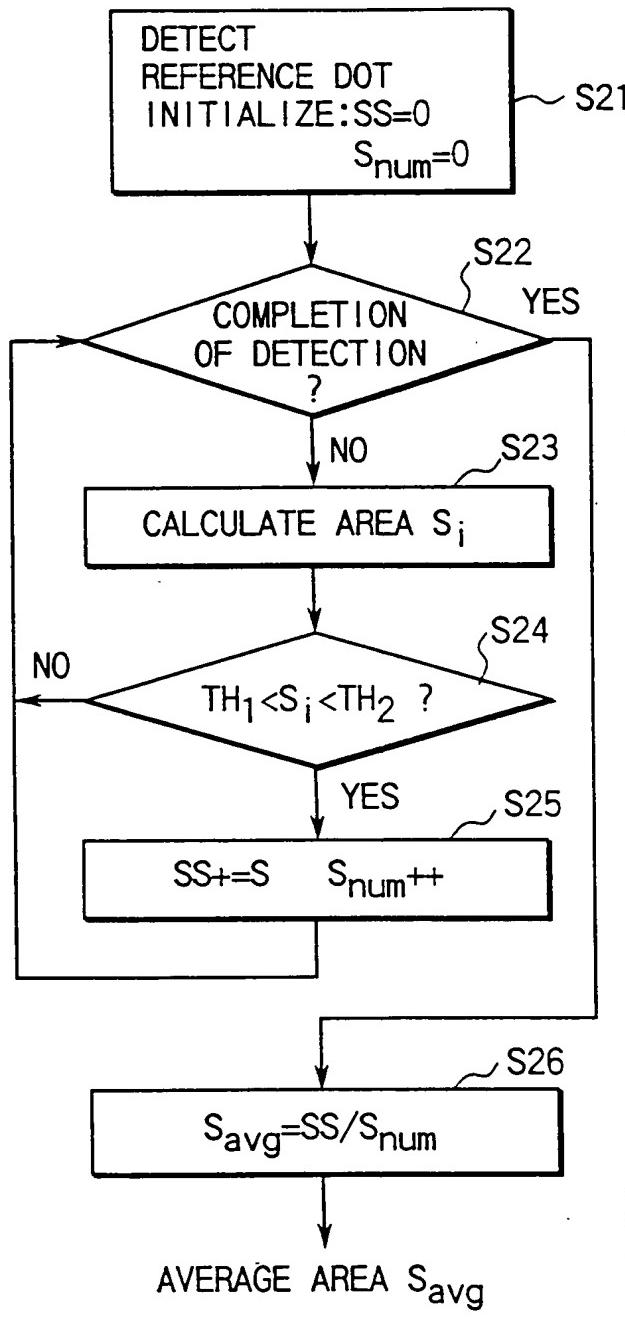


FIG. 22

FIG. 23C

FIG. 23A

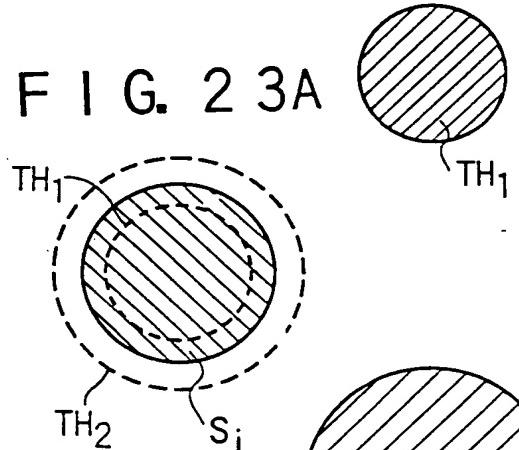
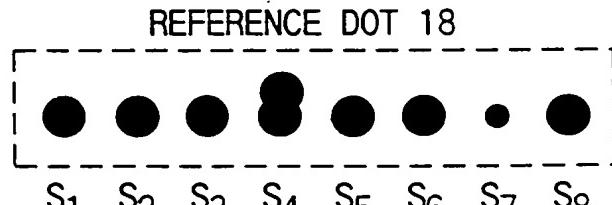


FIG. 23B



$$S = \frac{S_1 + S_2 + S_3 + S_5 + S_6 + S_8}{6}$$

FIG. 24

APPROVED BY DRAFTSMAN	O.G. FIG.
	CLASS SUBCLASS

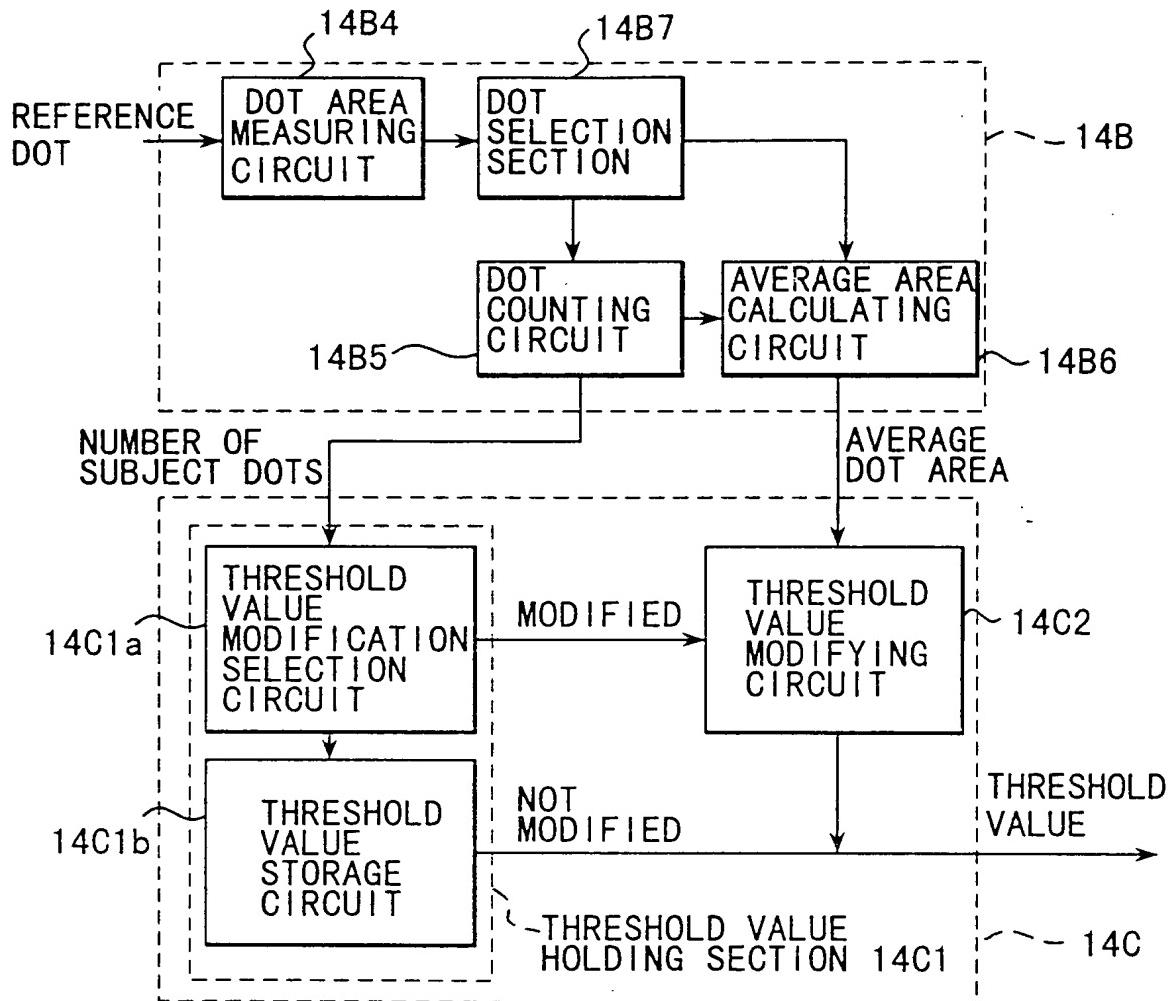


FIG. 25

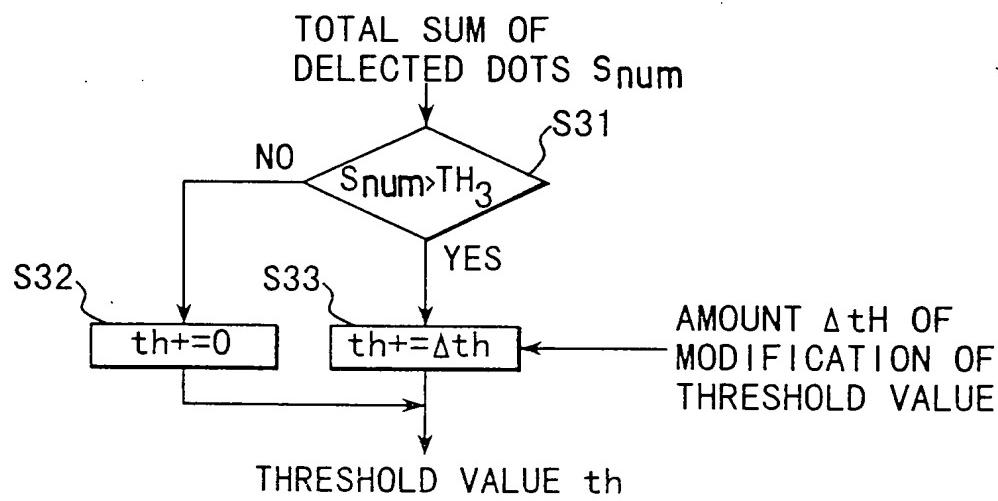


FIG. 26

APPROVED BY DRAFTSMAN	O.G. FIG.
	CLASS SUBCLAS

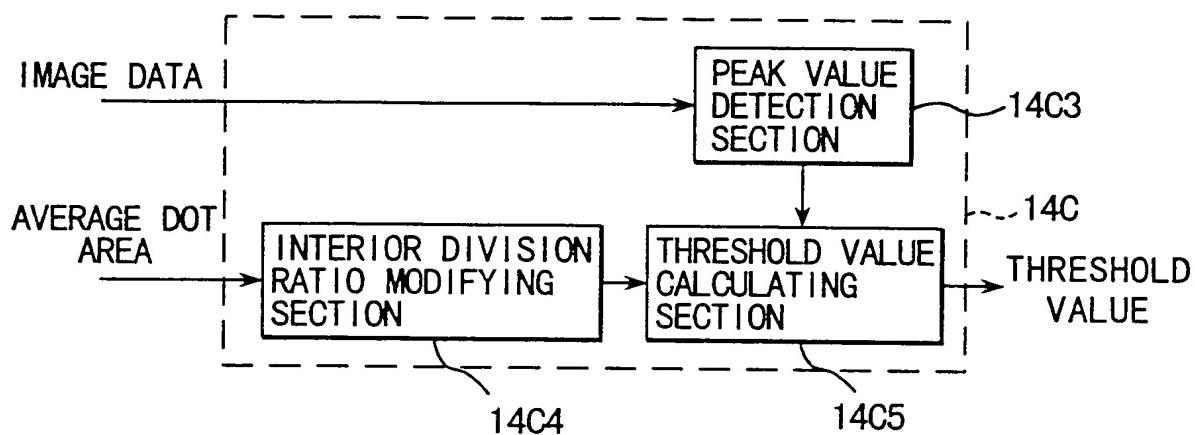


FIG. 27

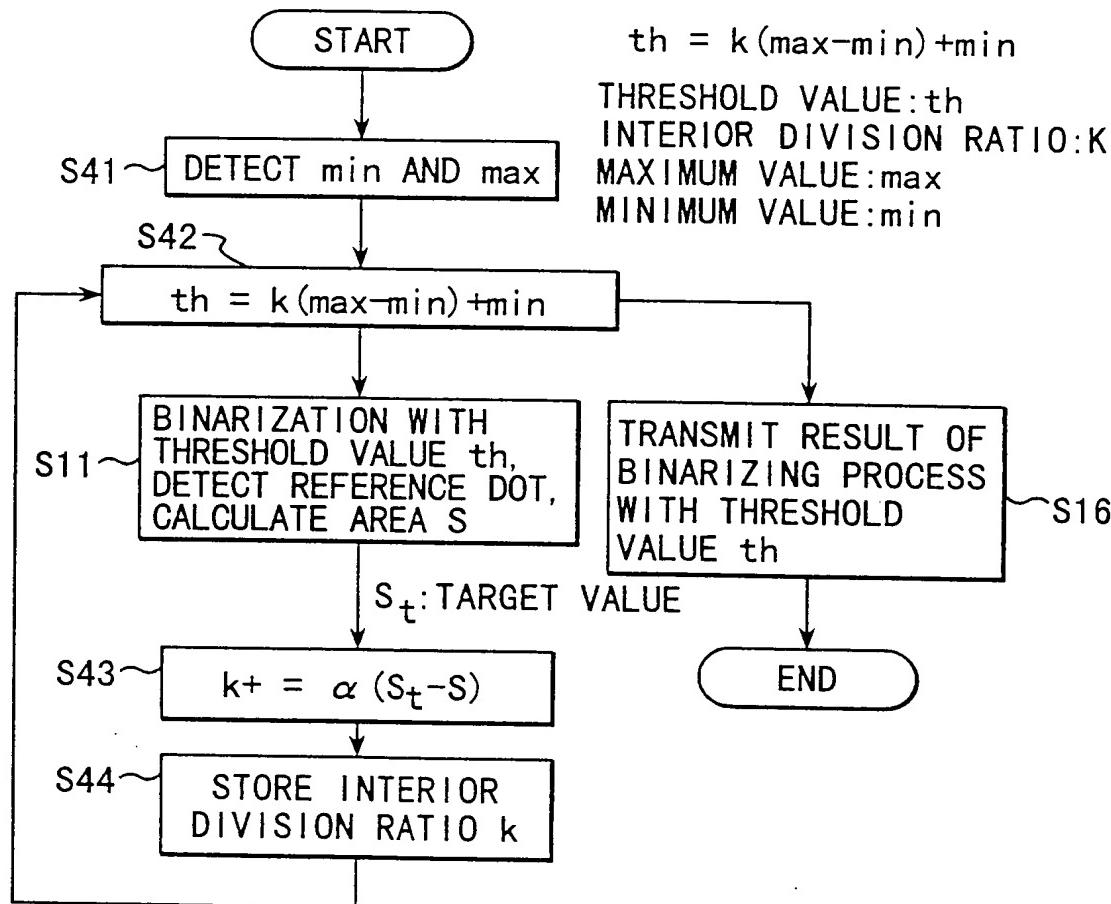
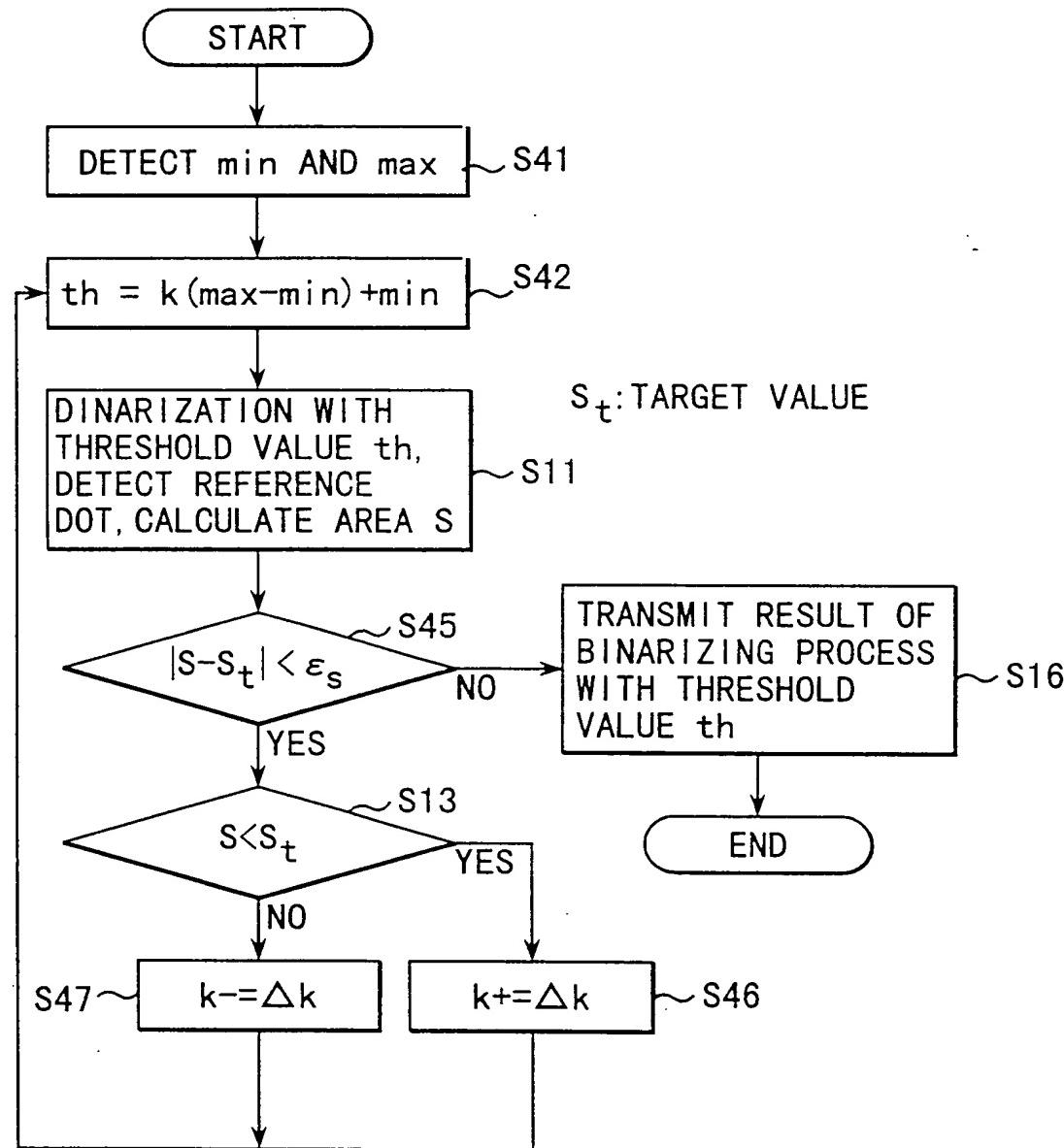


FIG. 28

APPROVED BY DRAFTSMAN	O.G. FIG.
	CLASS SUBCLASS



F I G . 2 9

APPROVED BY DRAFTSMAN	O. G. FIG. CLASS	SUBCLASS
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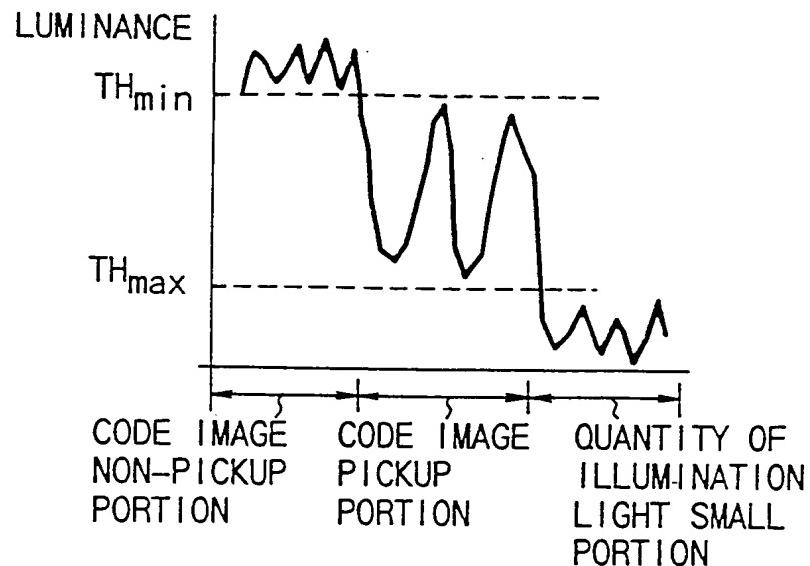


FIG. 30

WHEN BLANK FRAME IS
DETECTED AFTER CODE
HAS BEEN PICKED UP,
PROCESS IS COMPLETED

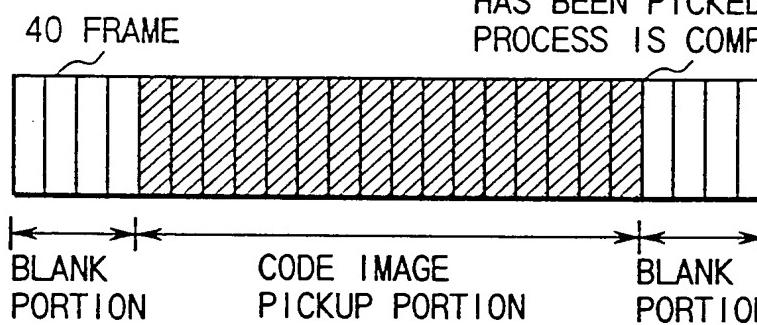


FIG. 31

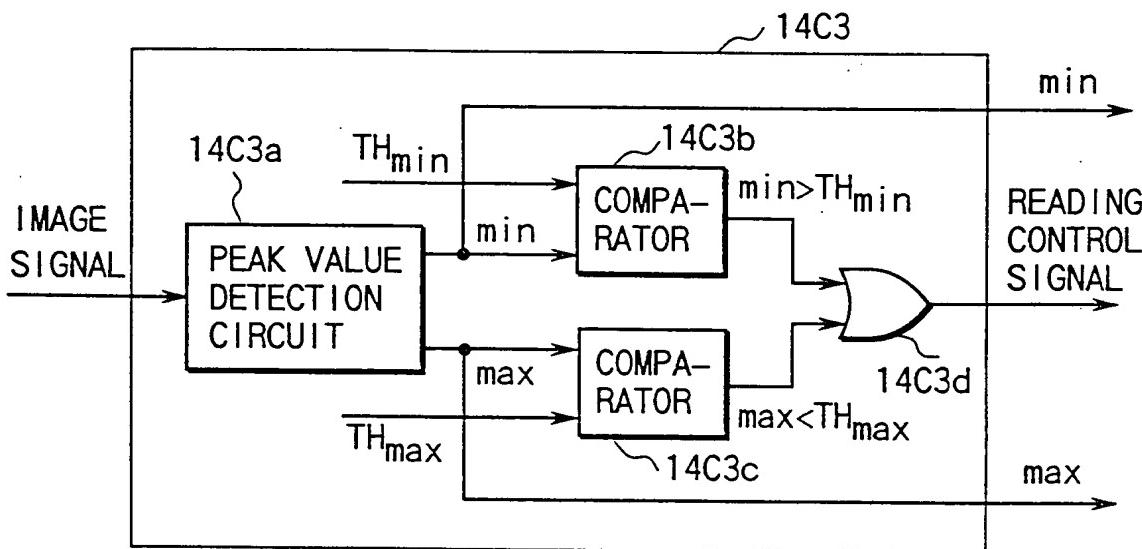
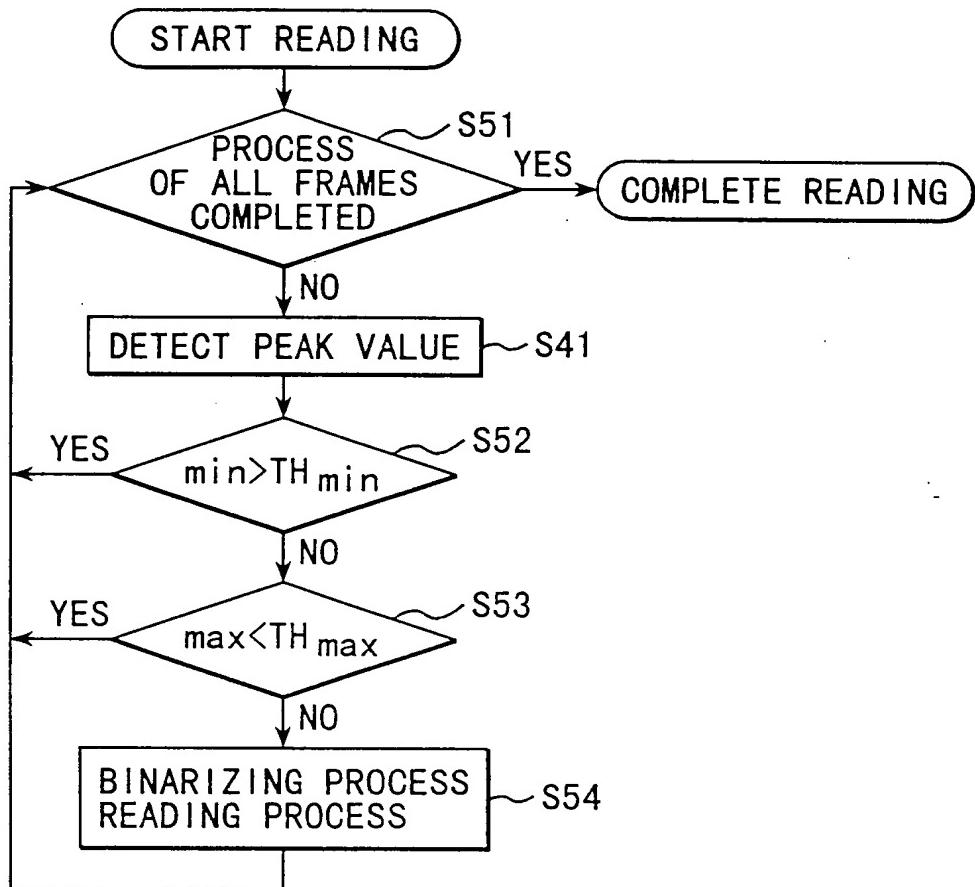
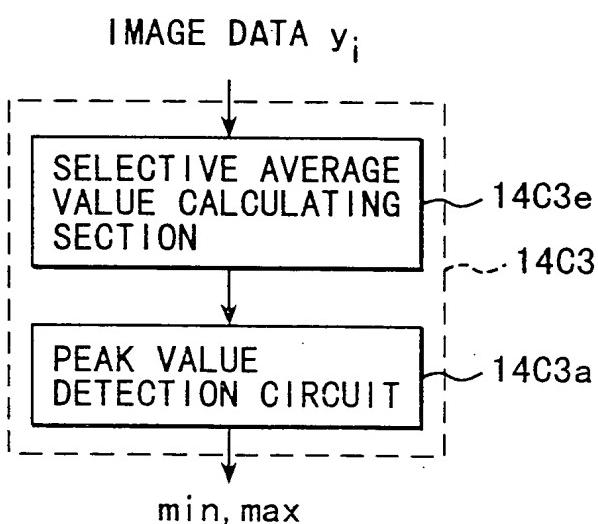


FIG. 32

APPROVED BY DRAFTSMAN	O.G. FIG.
	CLASS SUBCLASS



F I G . 3 3



F I G . 3 4

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

G E D E E G E E - G E D 2 2 0 5

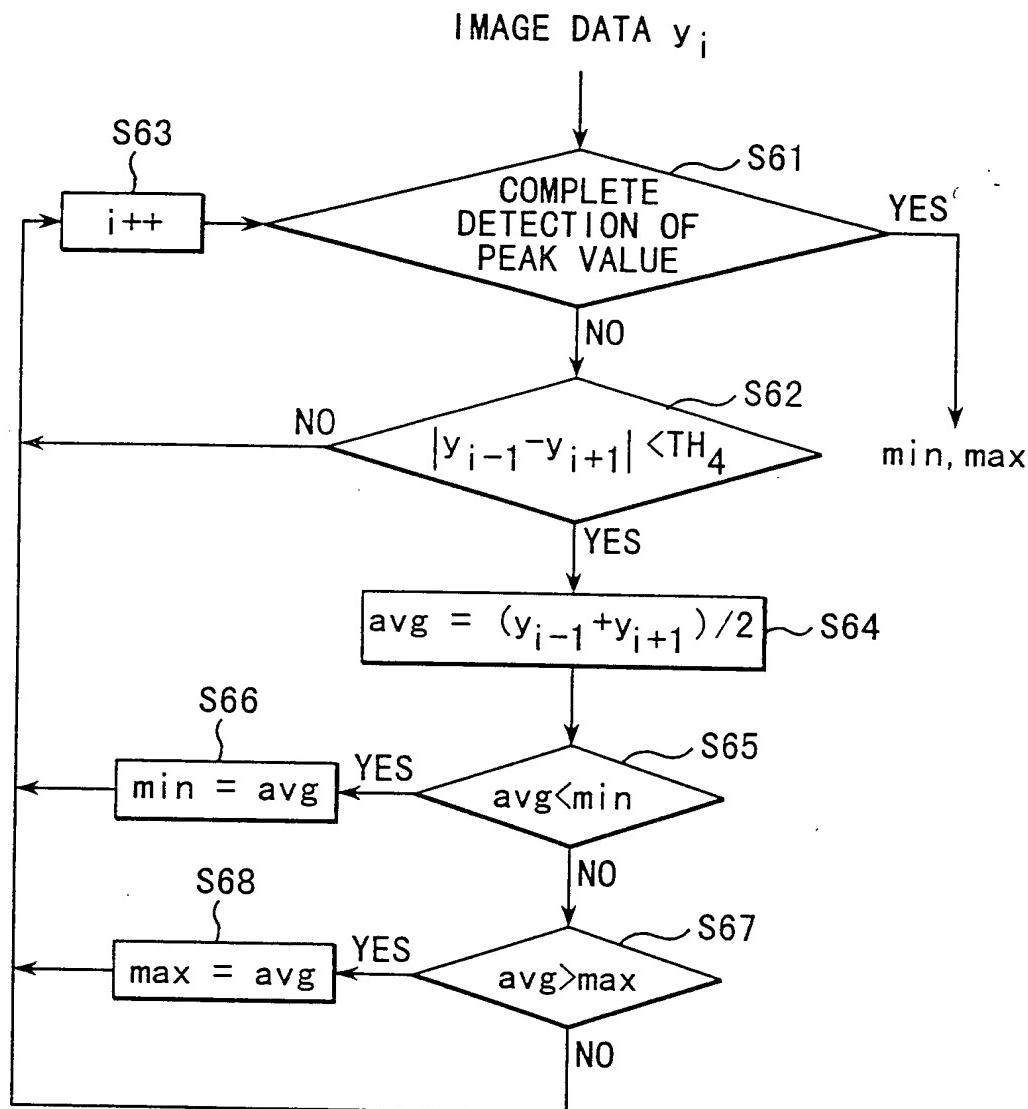


FIG. 35

APPROVED BY DRAFTSMAN	O.G. FIG. CLASS	SUBCLASS
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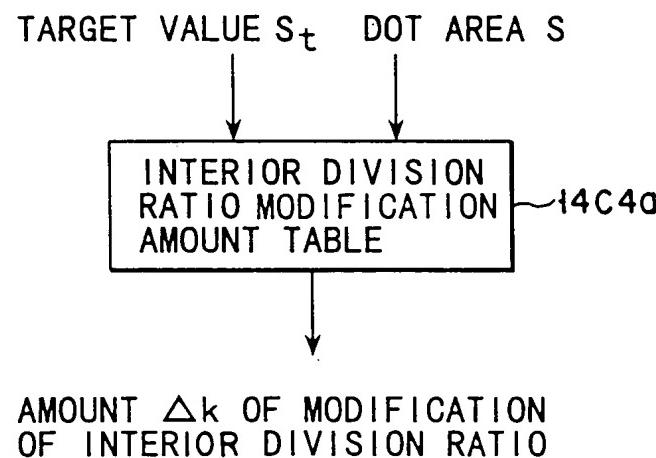


FIG. 36A

INTERIOR DIVISION RATIO
MODIFICATION AMOUNT TABLE 14C4a

$S_t \backslash S$	6.0	6.5	7.0	7.5	8.0	8.5
6.0		-0.06	-0.13	-0.20	-0.28	-0.37
6.5	0.05		-0.07	-0.14	-0.21	-0.29
7.0	0.11	0.06		-0.08	-0.15	-0.22
7.5	0.17	0.12	0.07		-0.09	-0.16
8.0	0.24	0.18	0.13	0.08		-0.10
8.5	0.32	0.25	0.19	0.14	0.09	

IF MEASURED DOT AREA IS 7.0 AND TARGET VALUE IS 8.0, THE AMOUNT OF MODIFICATION OF INFERIOR DIVISION RATIO IS $\Delta k = 0.13$ IN ACCORDANCE WITH THE TABLE

FIG. 36B

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

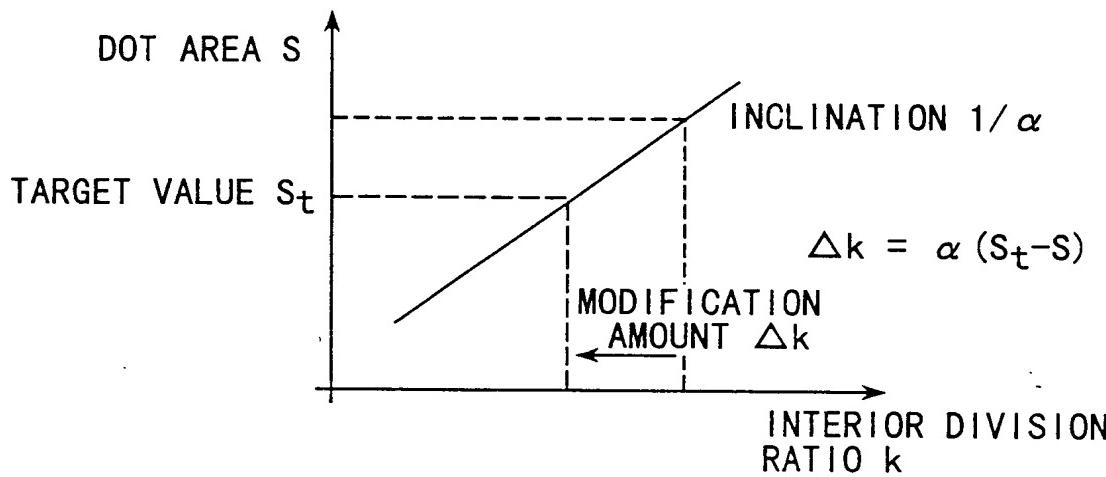


FIG. 37

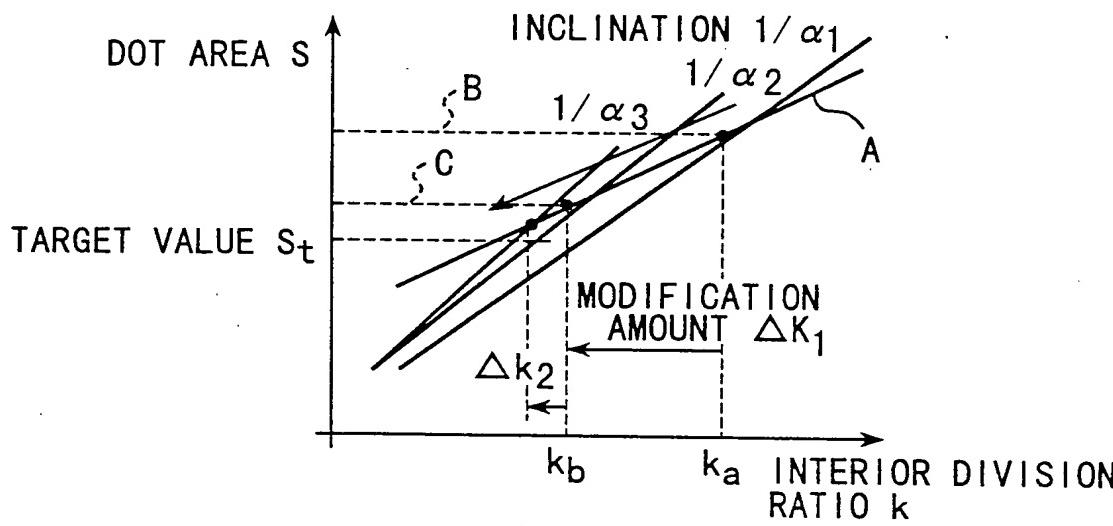


FIG. 38

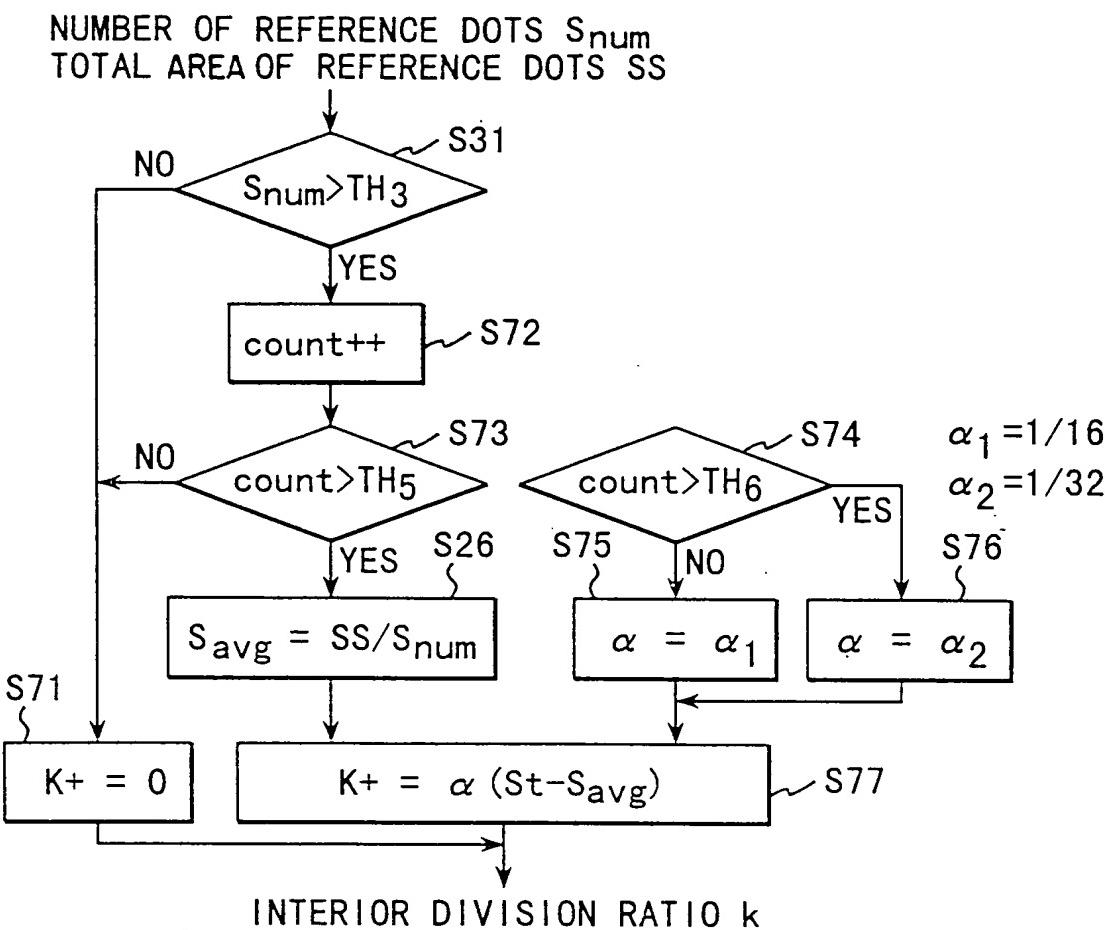
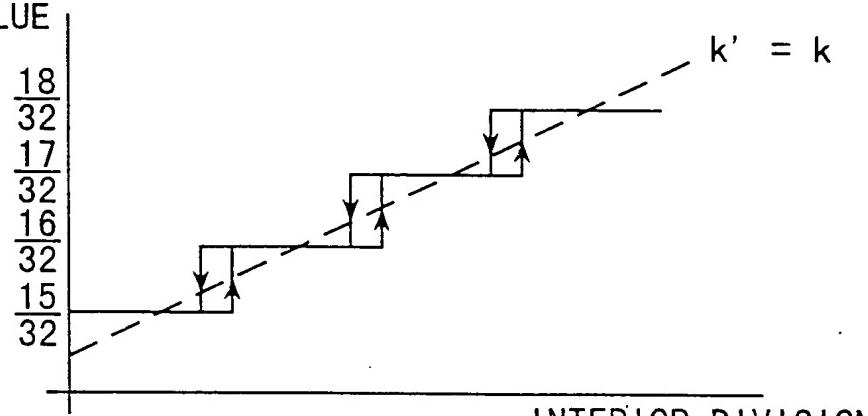


FIG. 39

INTERIOR DIVISION
RATIO k'

ACTUAL VALUE



INTERIOR DIVISION
RATIO k
CALCULATED VALUE

FIG. 40

INTERIOR DIVISION
RATIO k'
ACTUAL VALUE

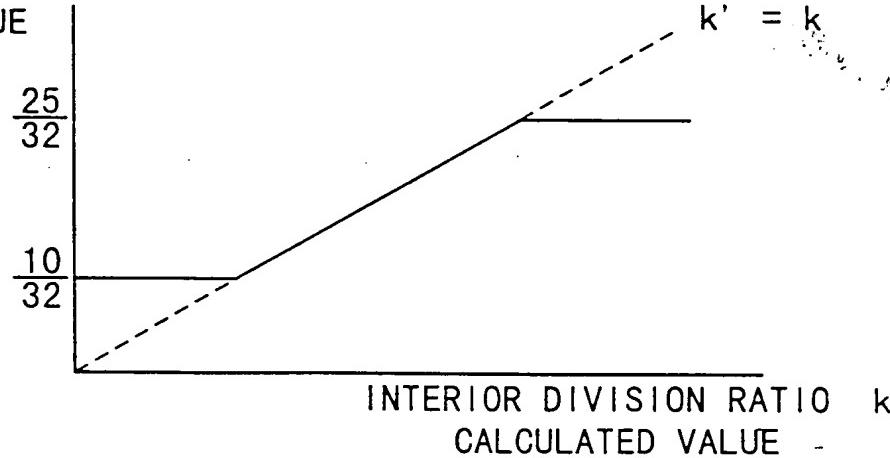


FIG. 41

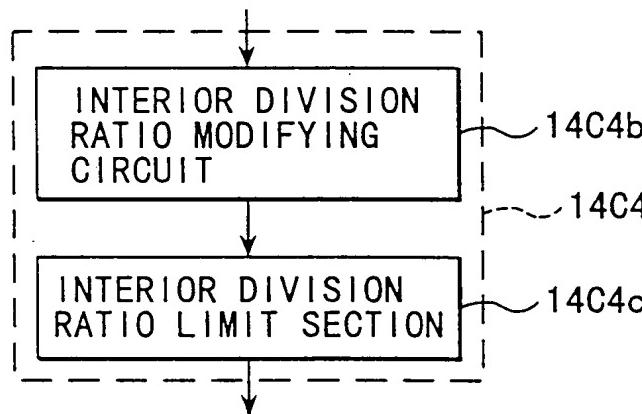


FIG. 42

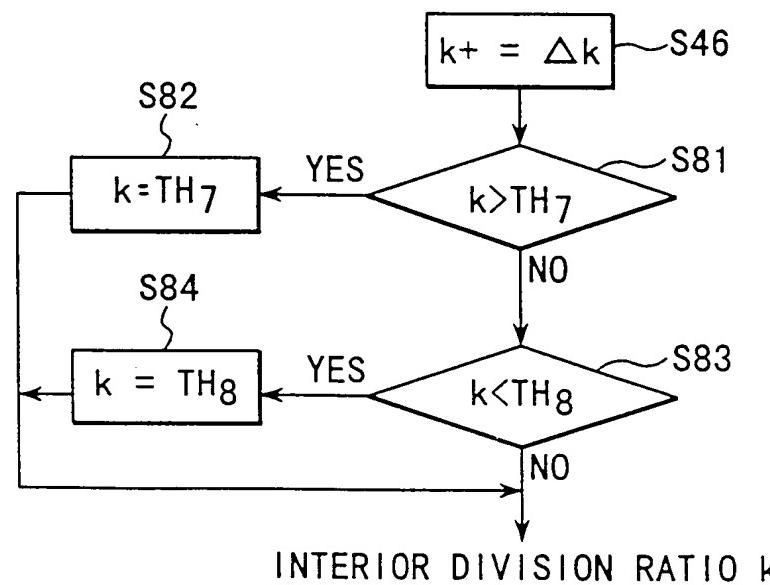


FIG. 43

APPROVED BY DRAFTSMAN	O.G. FIG. CLASS	SUBCLASS
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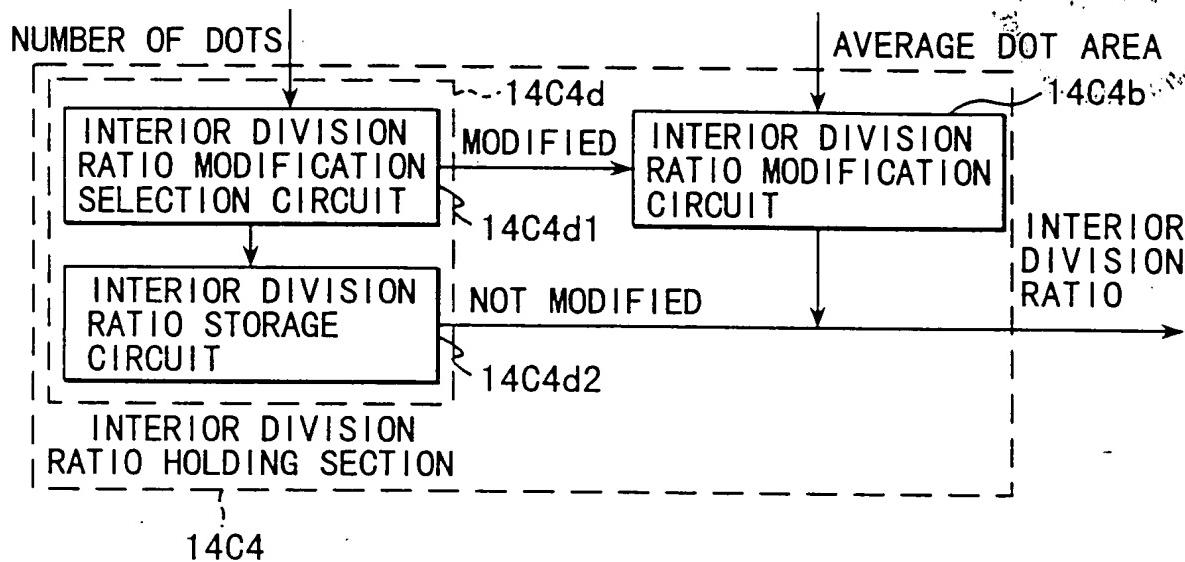


FIG. 44

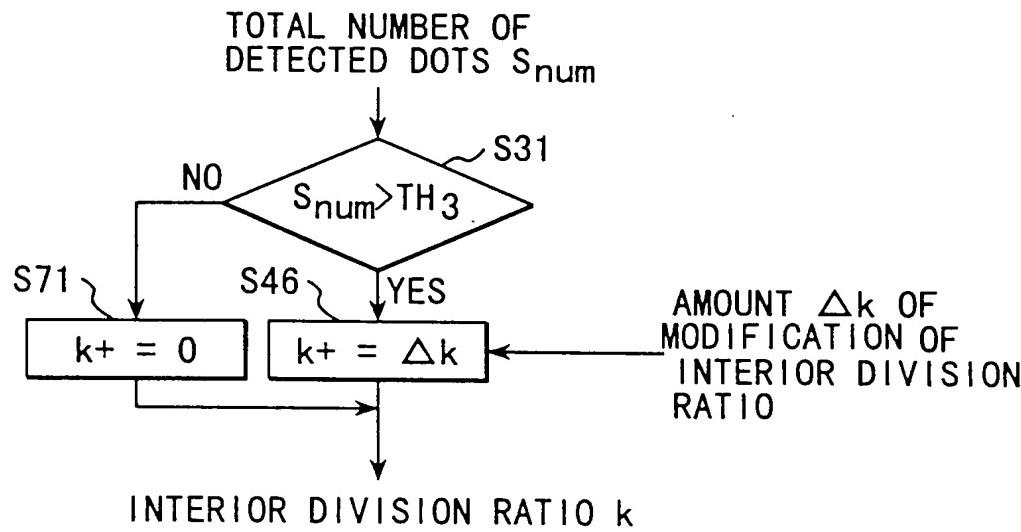
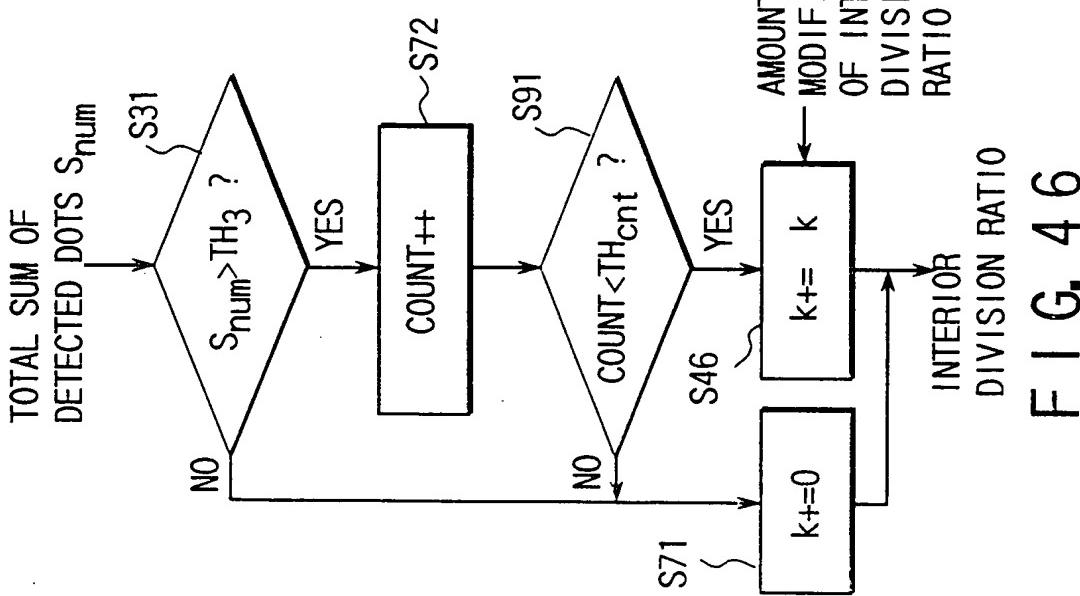
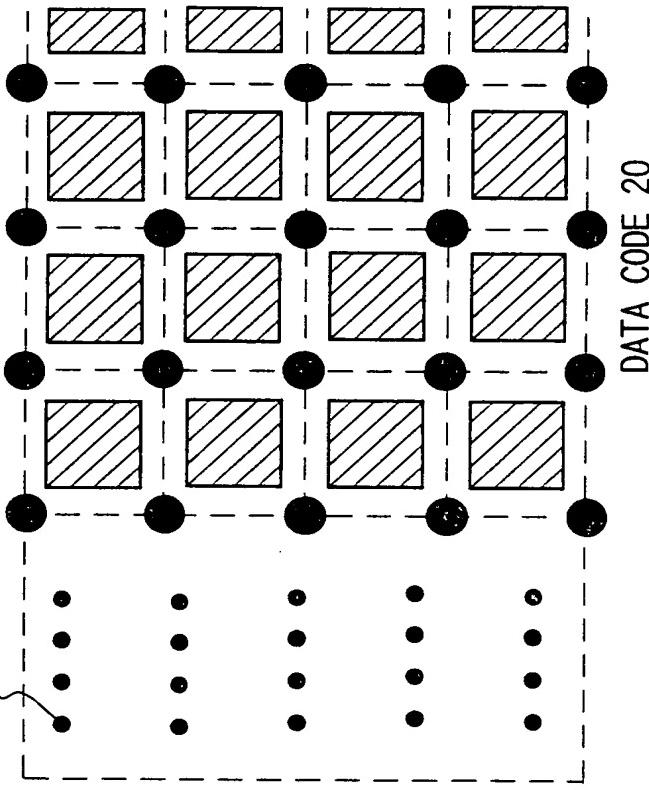


FIG. 45

APPROVED BY DRAFTSMAN	O.G. FIG.
	CLASS SUBCLASS



TOTAL ATTITUDE DOT 42



DATA CODE 20

FIG. 47

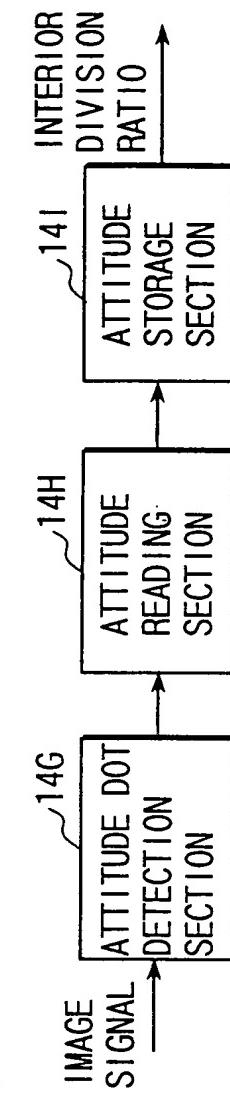


FIG. 48

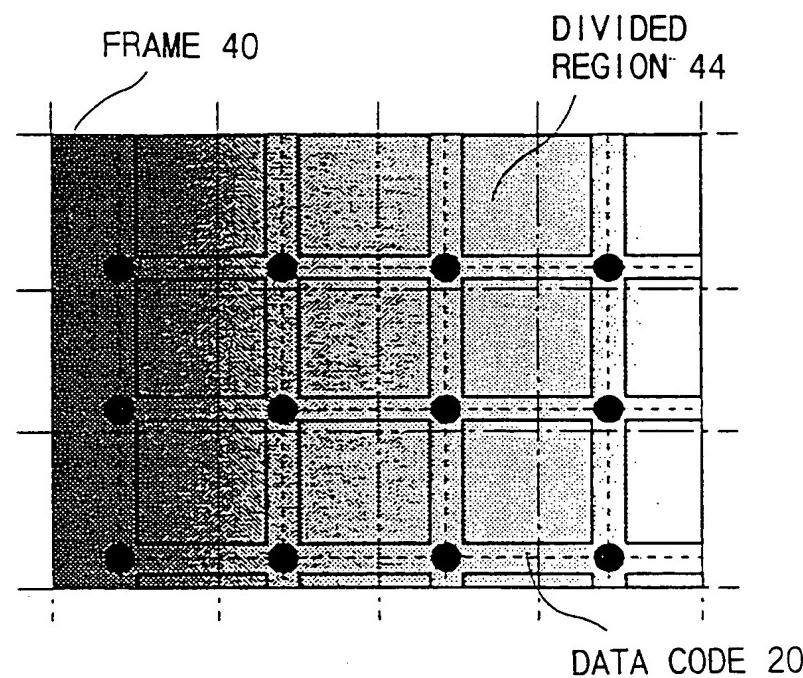
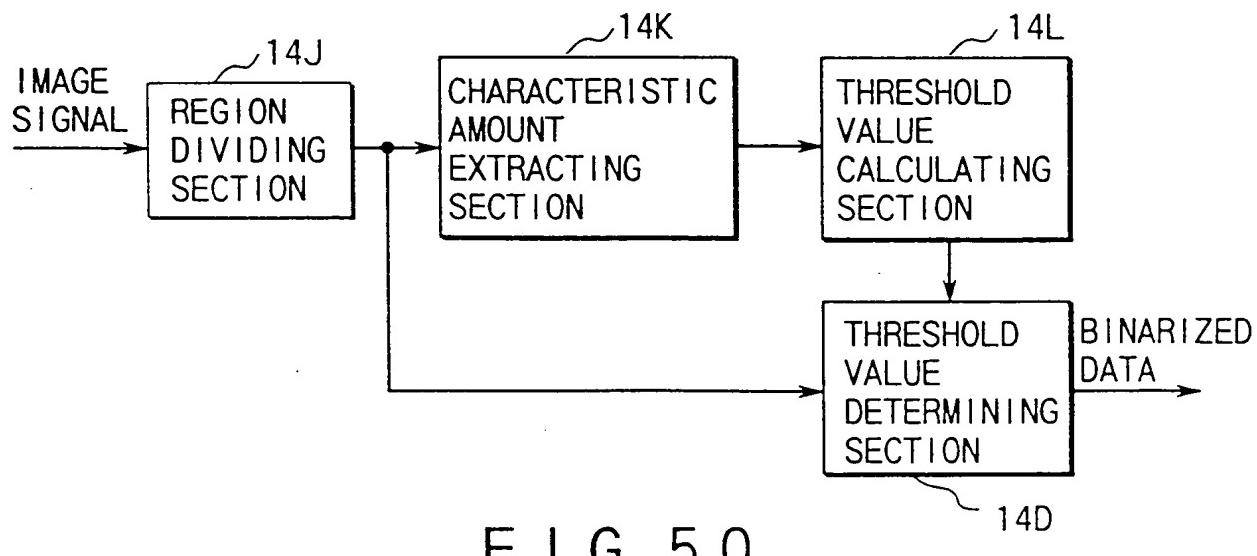


FIG. 49



APPROVED	O.G. FIG.
BY	CLASS SUBCLASS
DRAFTSMAN	

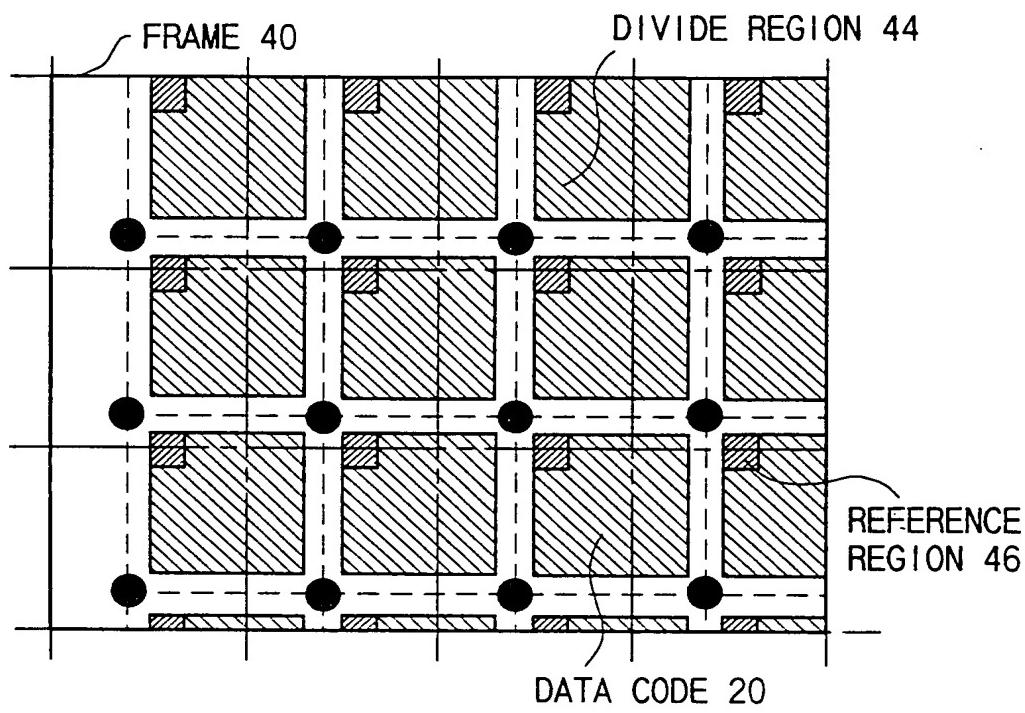


FIG. 51

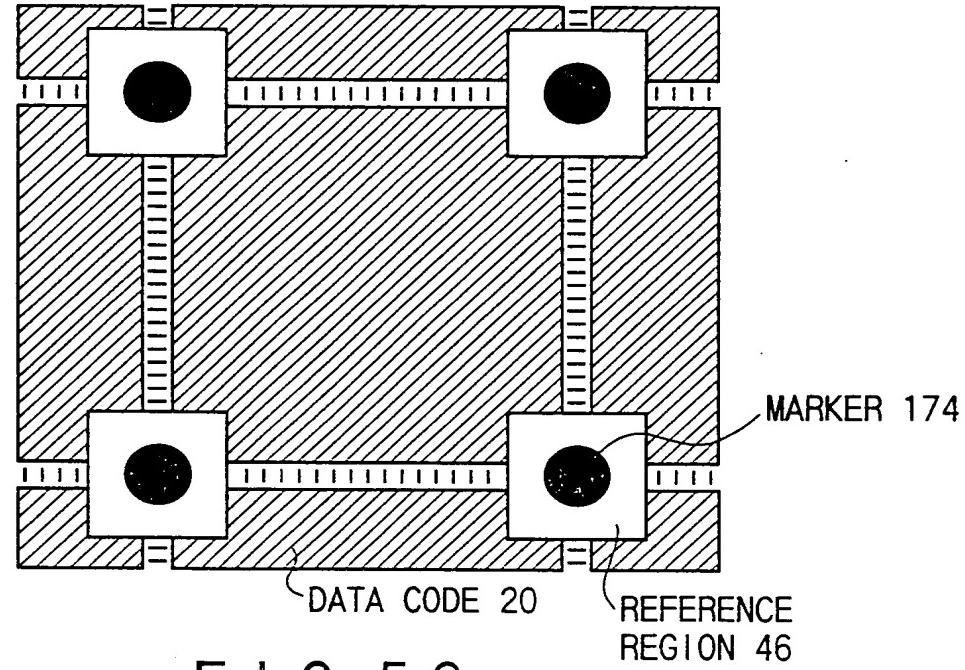
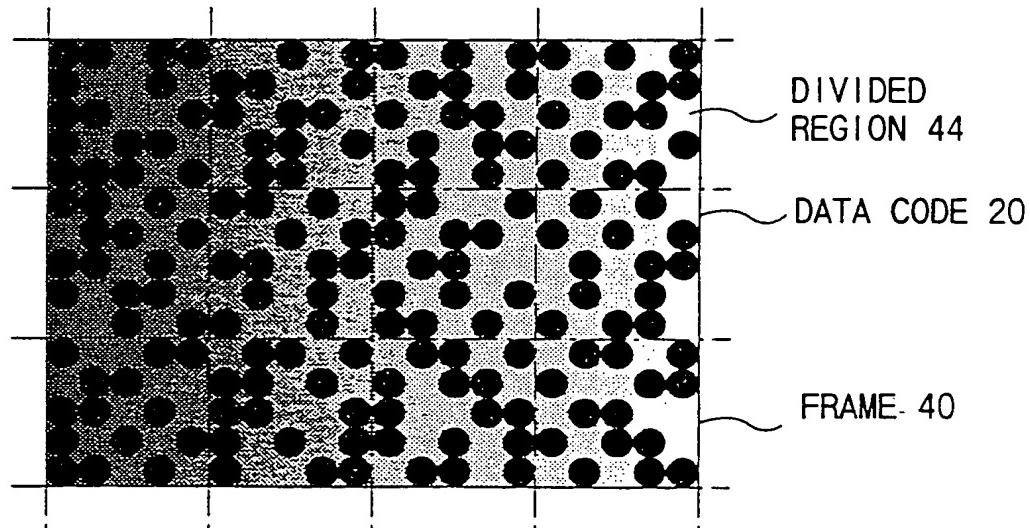


FIG. 52

APPROVED BY	O.G. FIG.	
DRAFTSMAN	CLASS	SUBCLASS



F I G. 53 A

max=180 th=90	max=190 th=95	max=200 th=100	max=210 th=105
max=182 th=91	max=193 th=92	max=205 th=103	max=212 th=106
max=178 th=89	max=187 th=94	max=198 th=99	max=207 th=104

F I G. 53 B

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

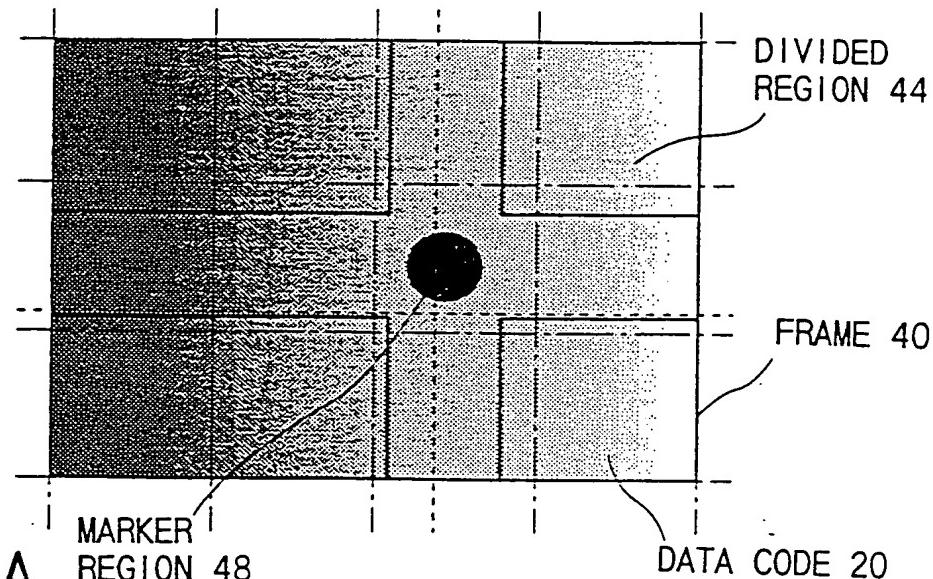


FIG. 54 A

00000000000000000000000000000000

max=180 min=60 → 20	max=190 min=63 → 20	max=200 min=65 → 20	max=210 min=68 → 20
max=182 min=61 → 20	max=193 min=65 → 20	max=205 min=20 fr_min 20	max=212 min=69 → 20
max=178 min=58 → 20	max=187 min=60 → 20	max=198 min=62 → 20	max=207 min=65 → 20

FIG. 54 B

WHEN INTERIOR DIVISION RATIO $k=0.5$ AND
MINIMUM VALUE fr_min OF OVERALL PORTION
OF PREVIOUS FRAME IS 20

max=180 th=k(180-20)+20 =100	max=190 th=k(190-20)+20 =105	max=200 th=k(200-20)+20 =110	max=210 th=k(210-20)+20 =115
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DIVIDED REGION 44

FIG. 55

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

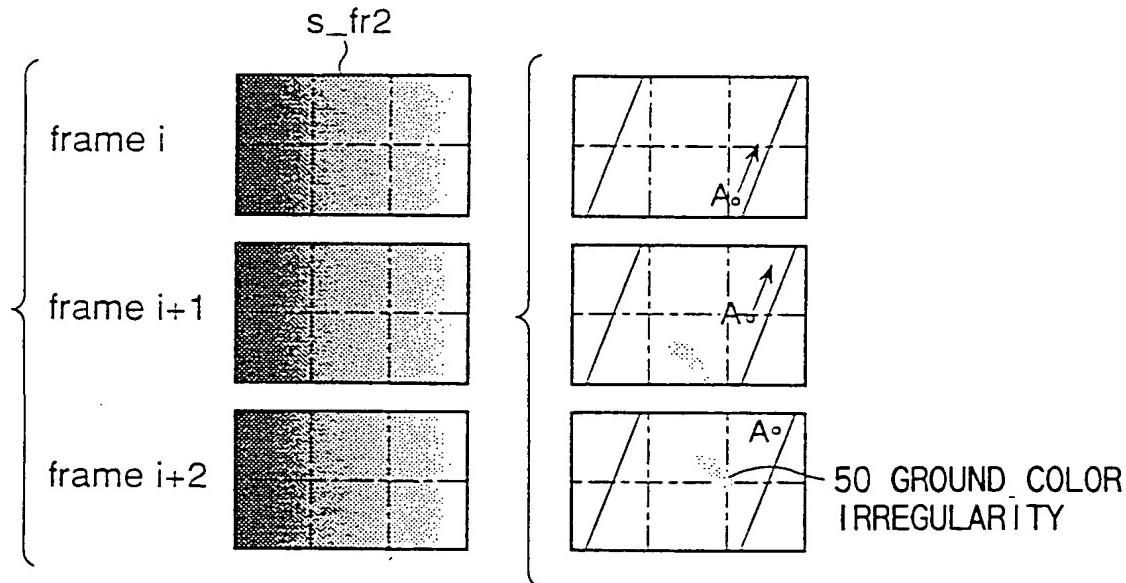


FIG. 56 A

FIG. 56 B

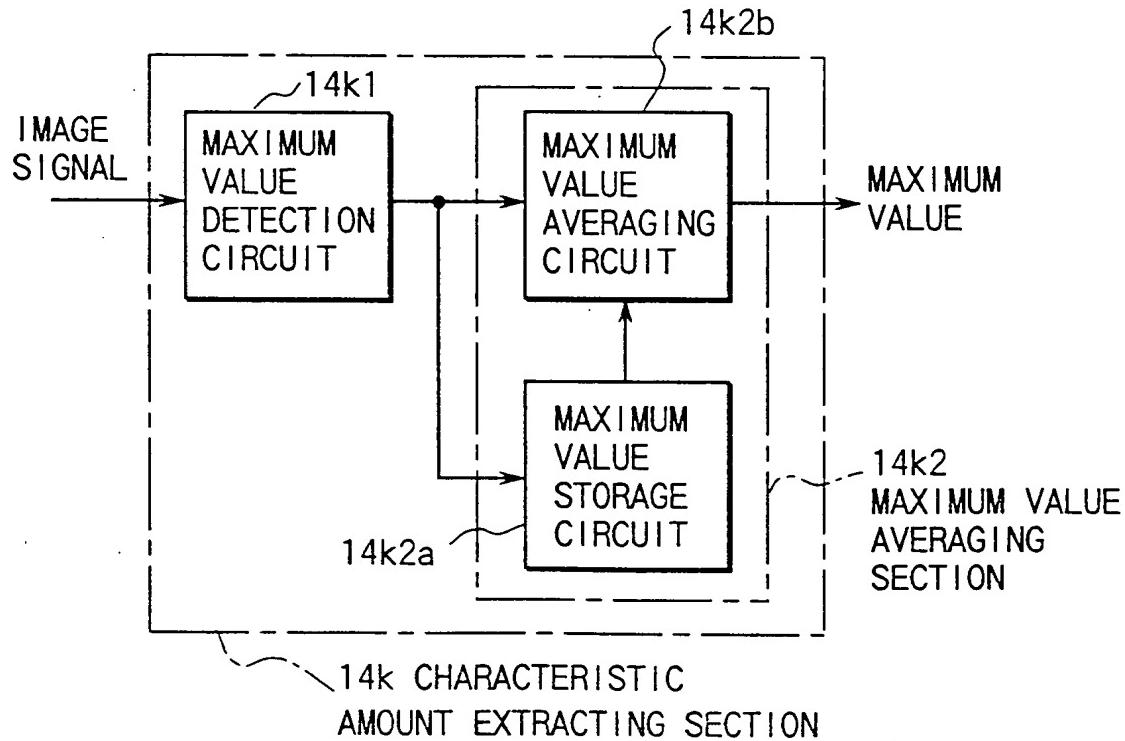
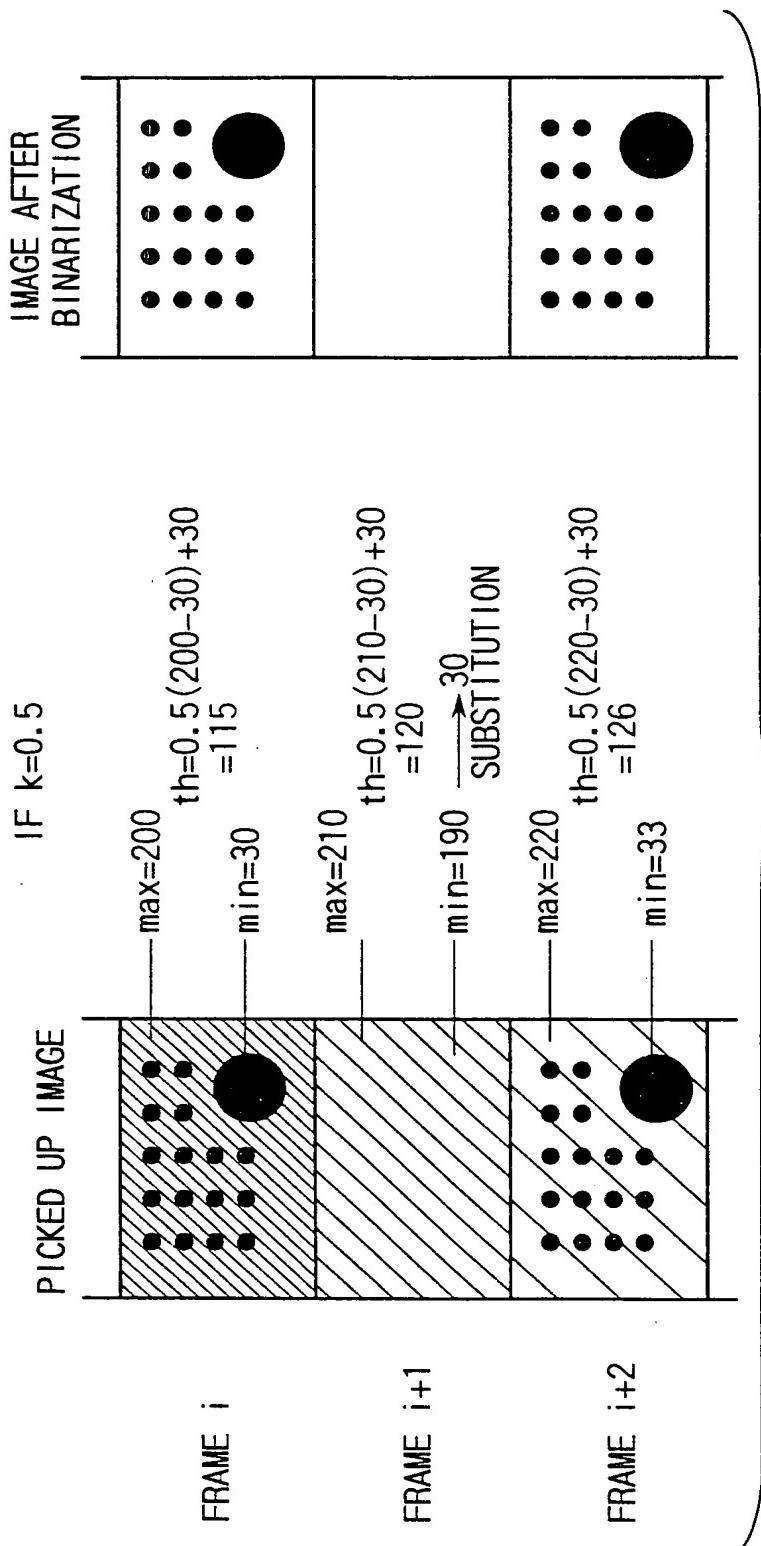
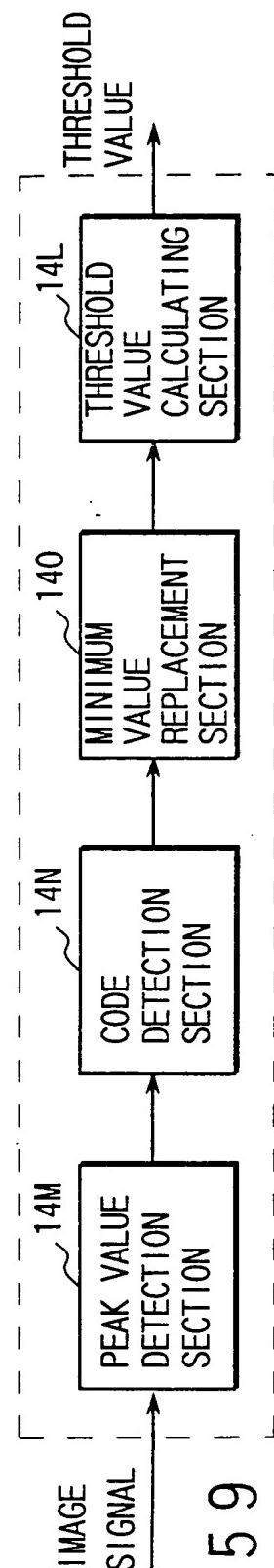


FIG. 57

APPROVED BY DRAFTSMAN	O.G. FIG.
	CLASS SUBCLASS



F I G. 5 8



F I G. 5 9

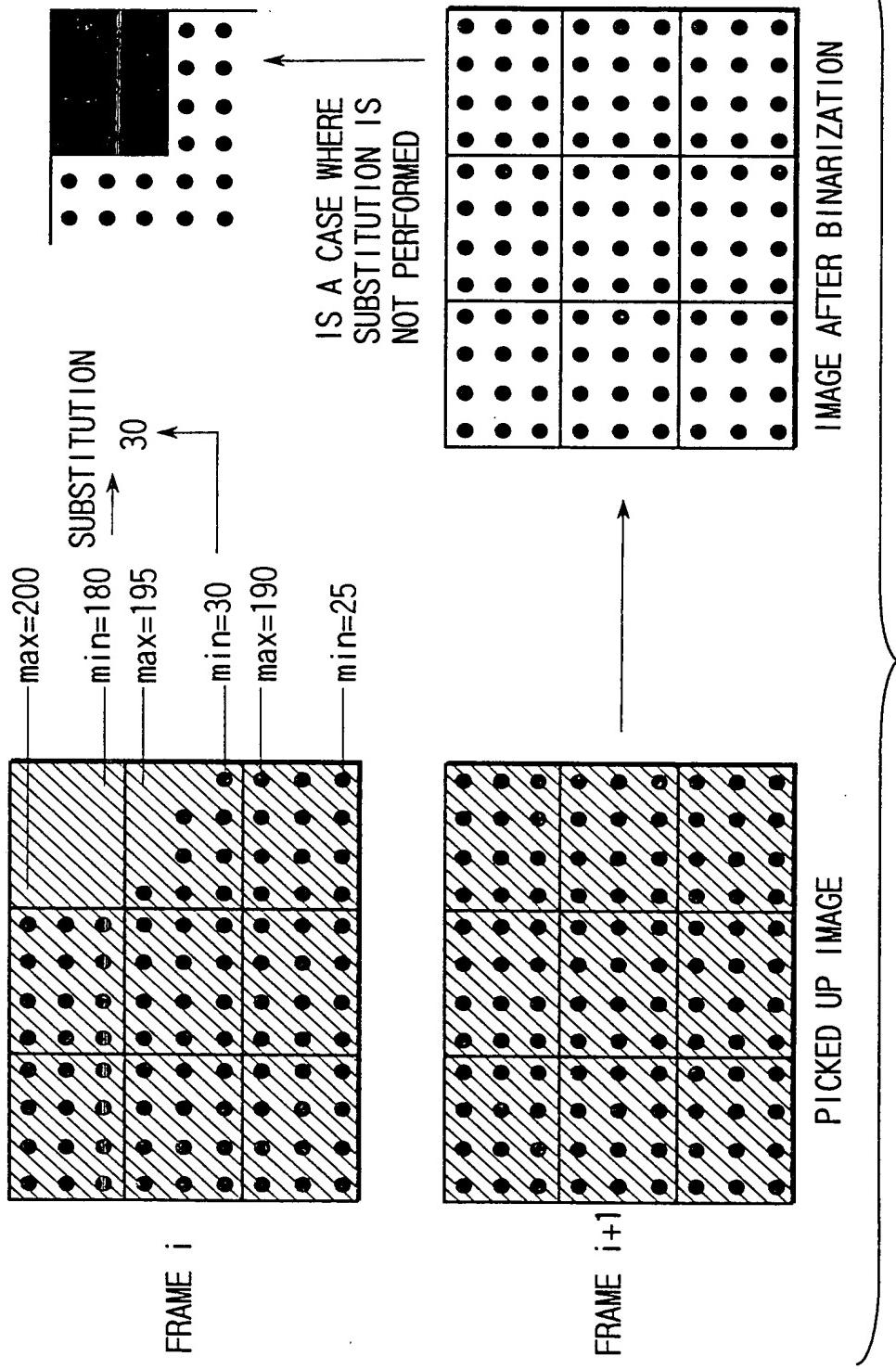


FIG. 60

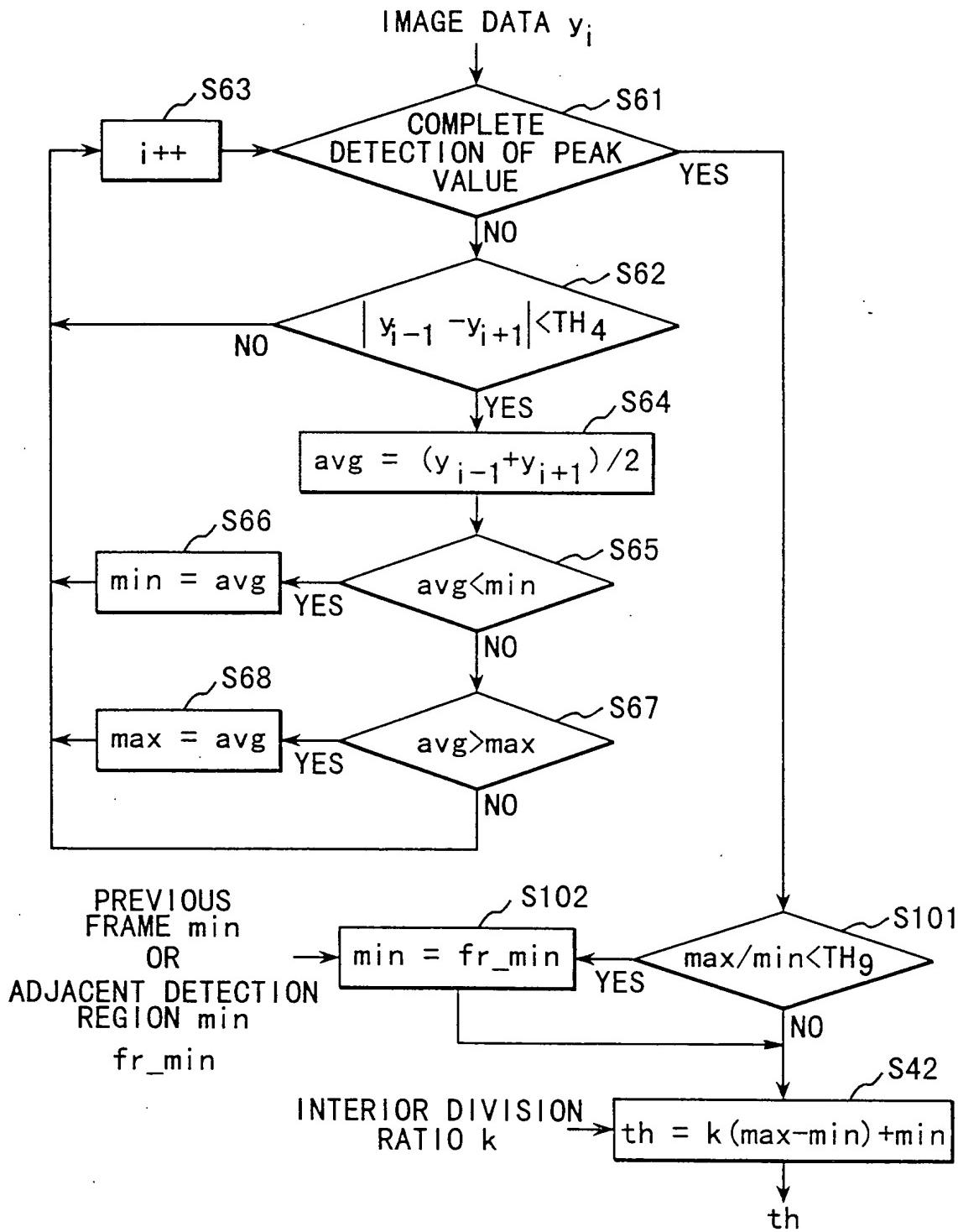


FIG. 61

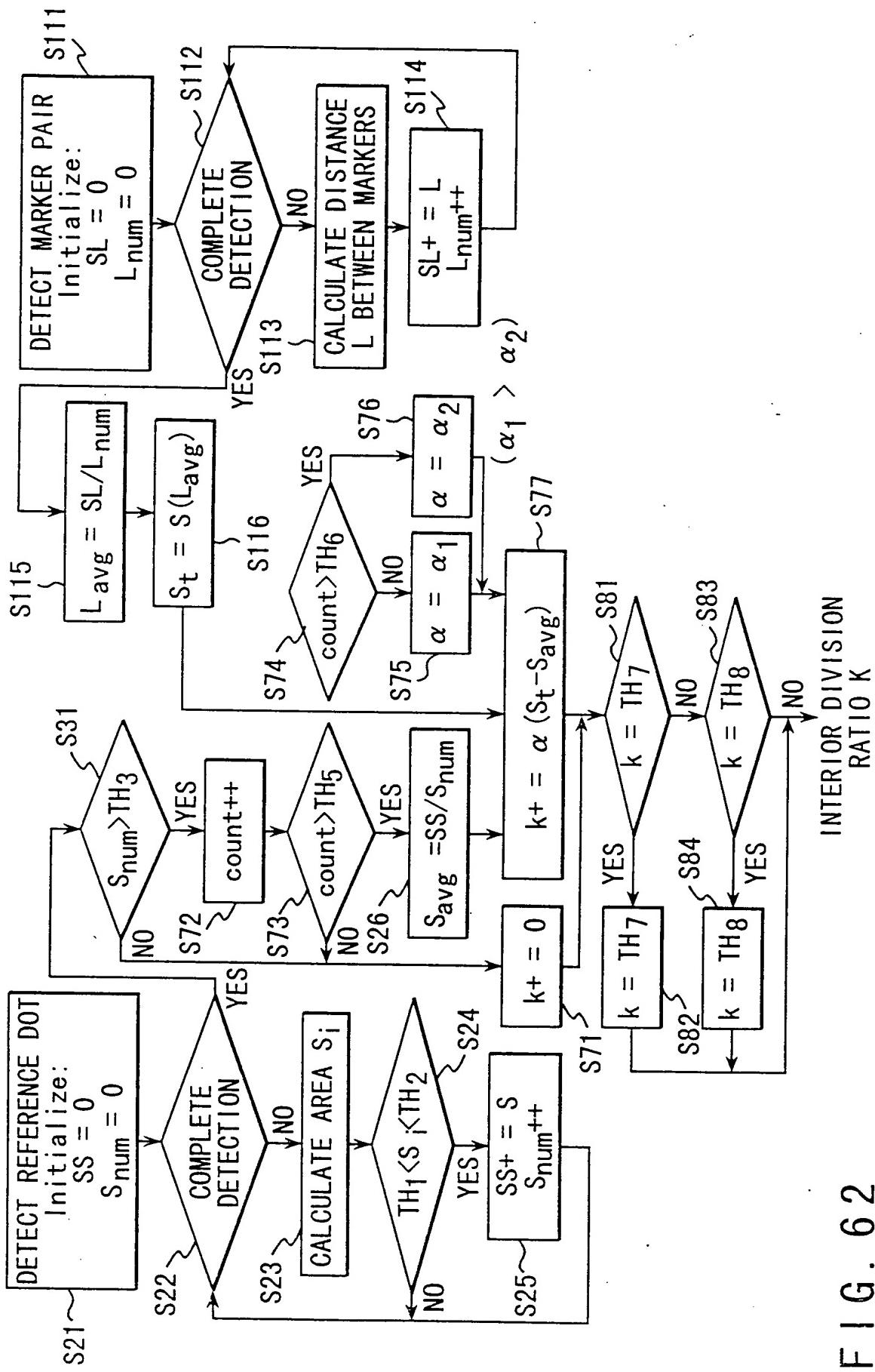


FIG. 62

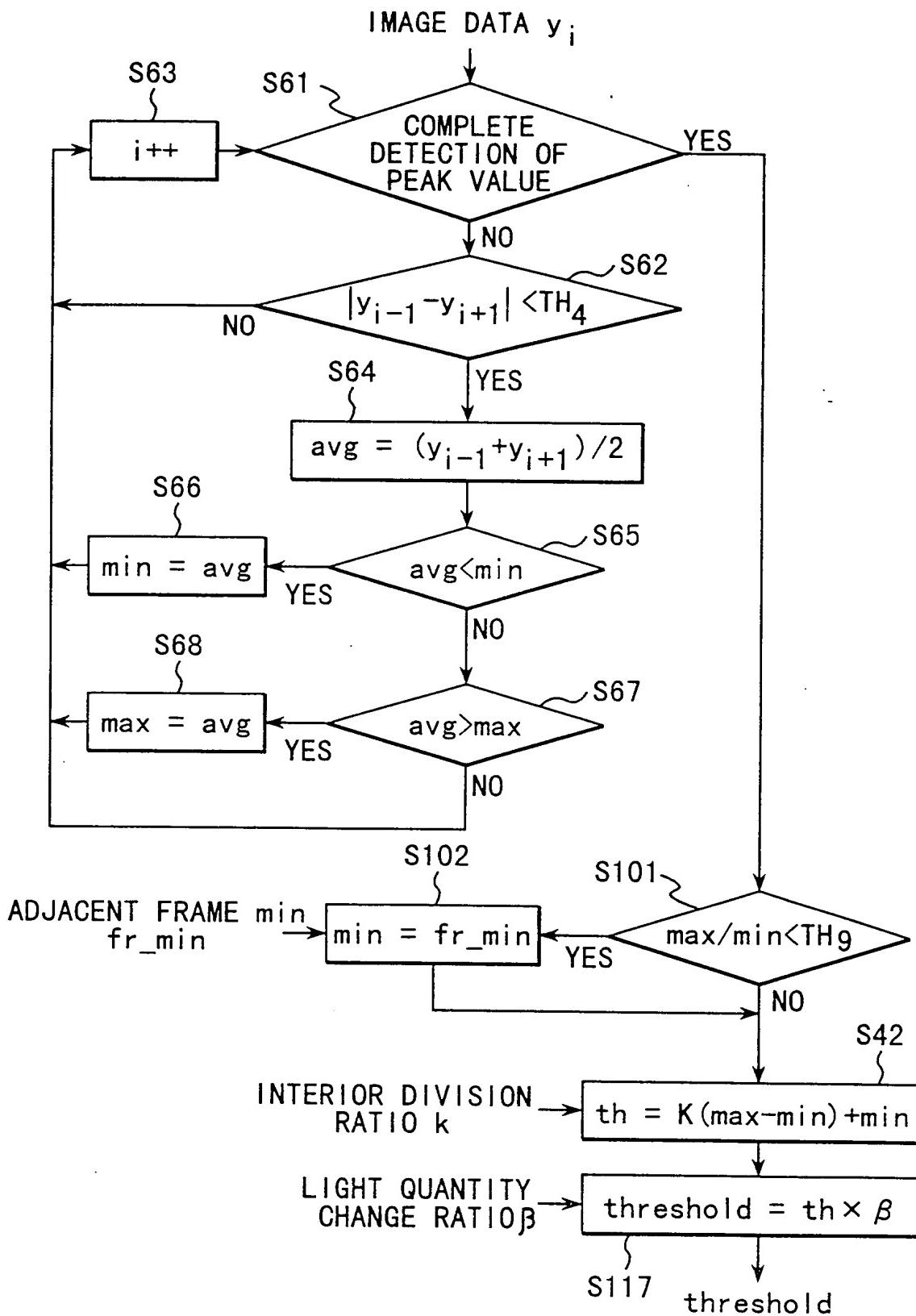


FIG. 63

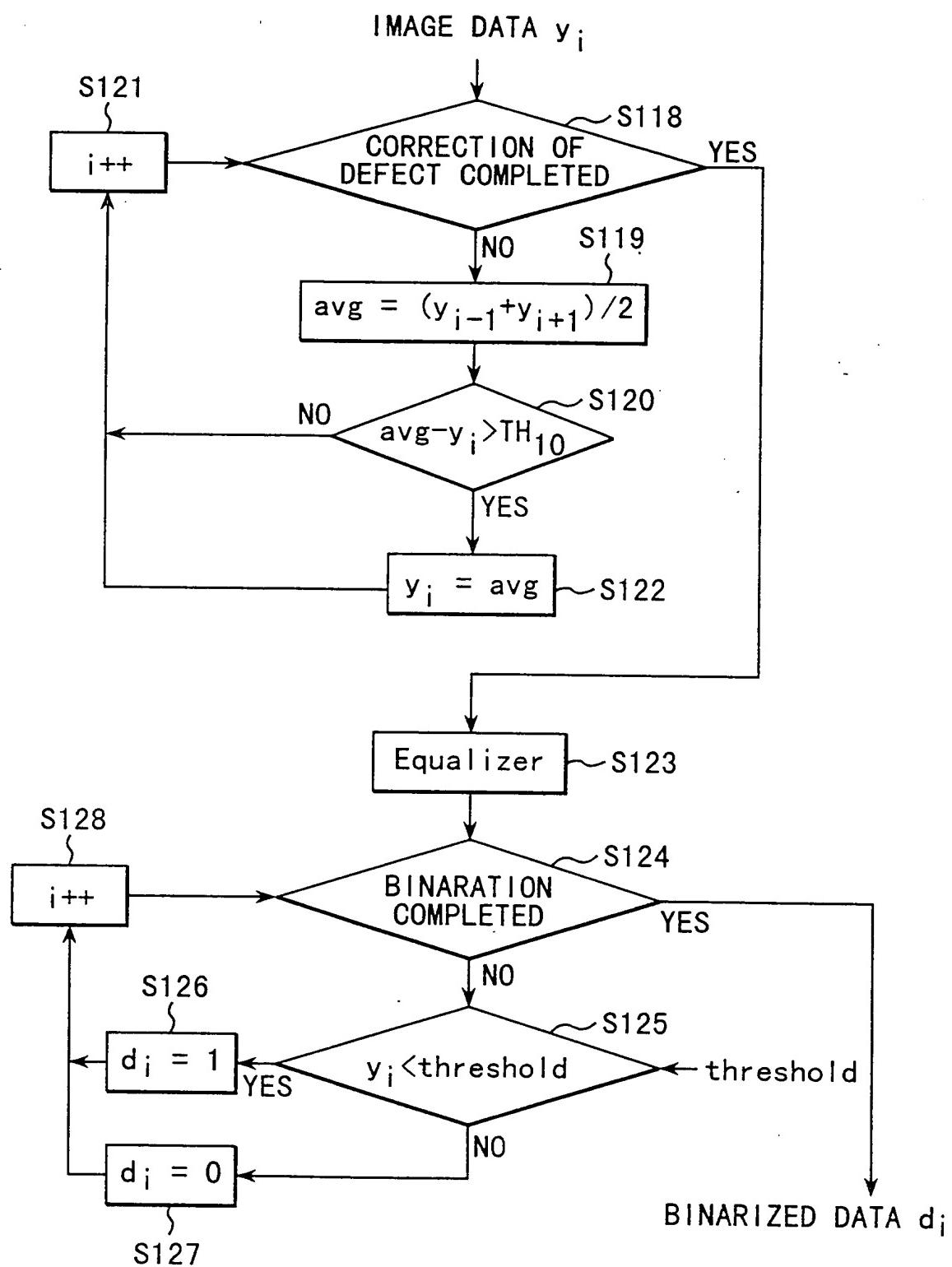


FIG. 64

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

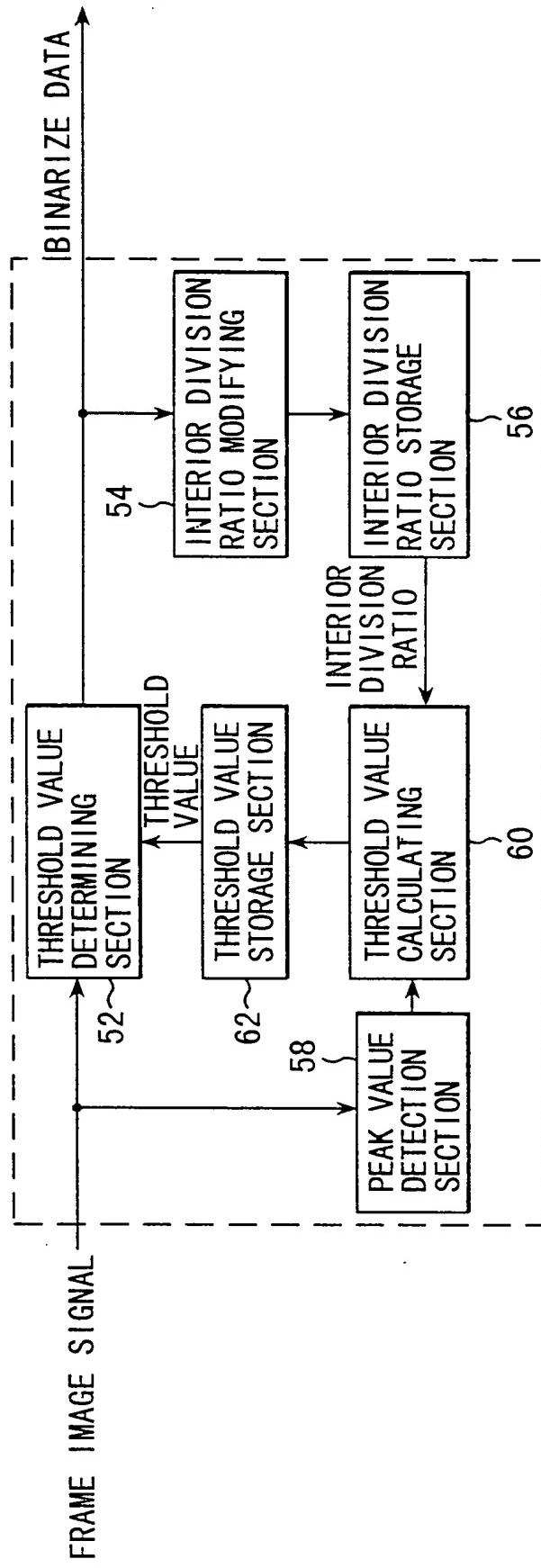


FIG. 65

APPROVED BY DRAFTSMAN	O.G. FIG.
	CLASS SUBCLAS6

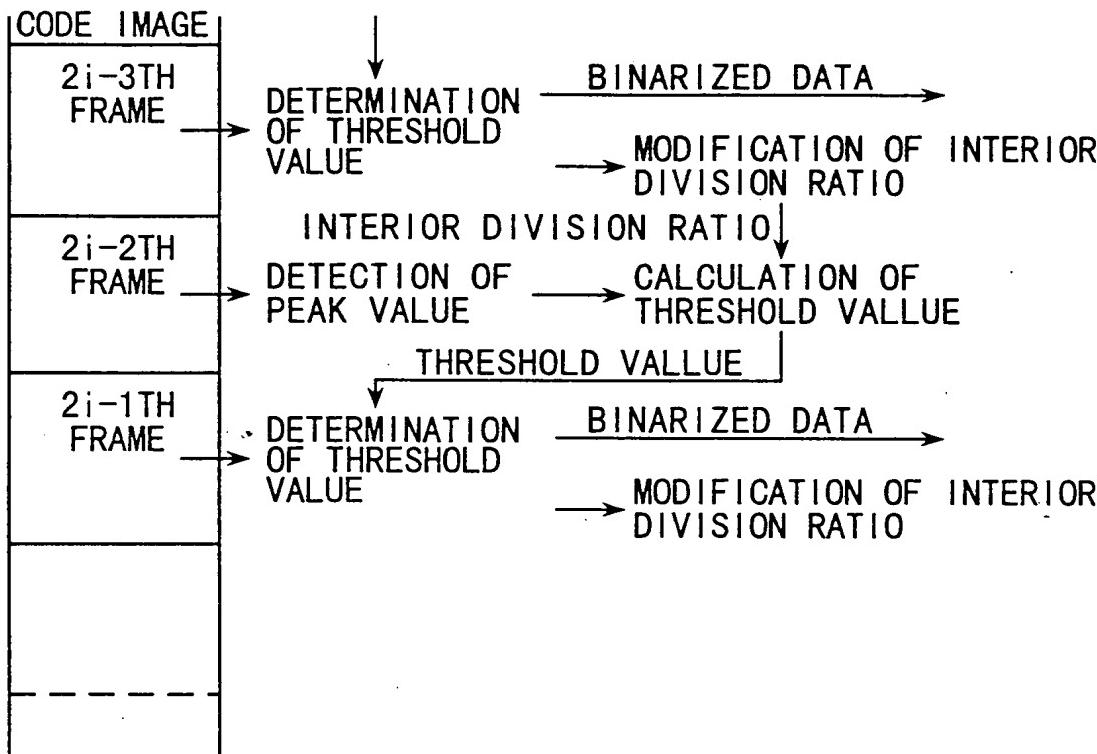


FIG. 66A

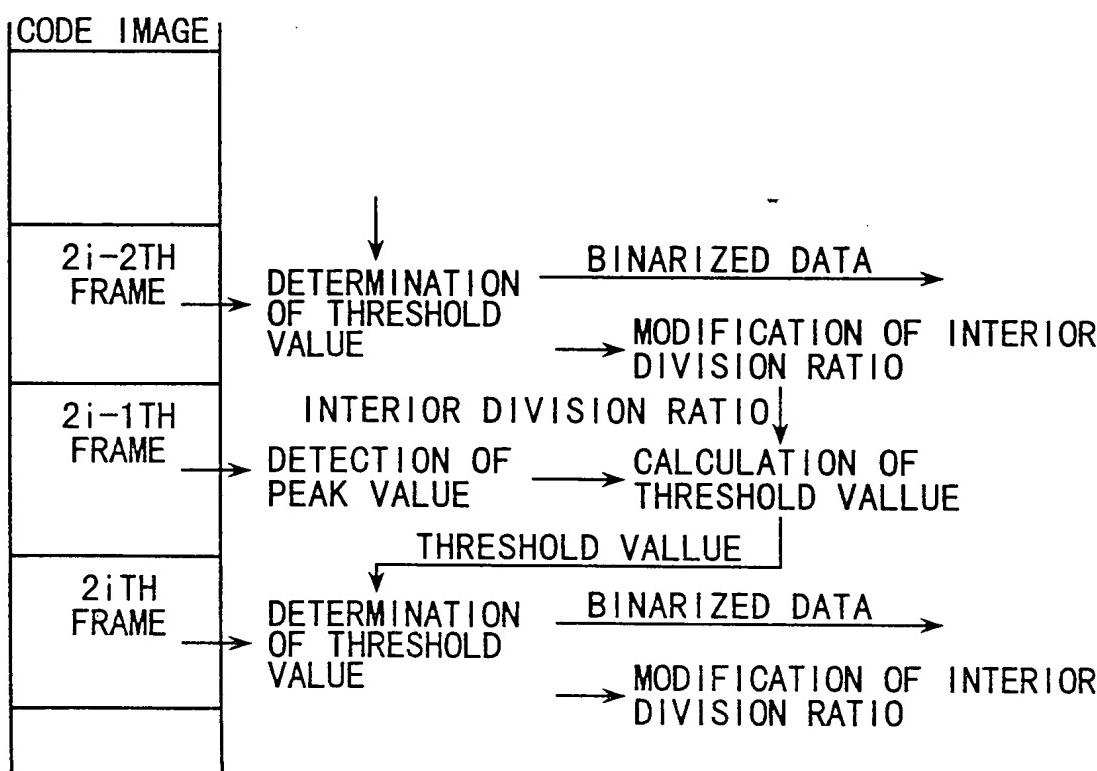


FIG. 66B

APPROVED BY DRAFTSMAN	O.G. FIG. CLASS. , SUBCLASS
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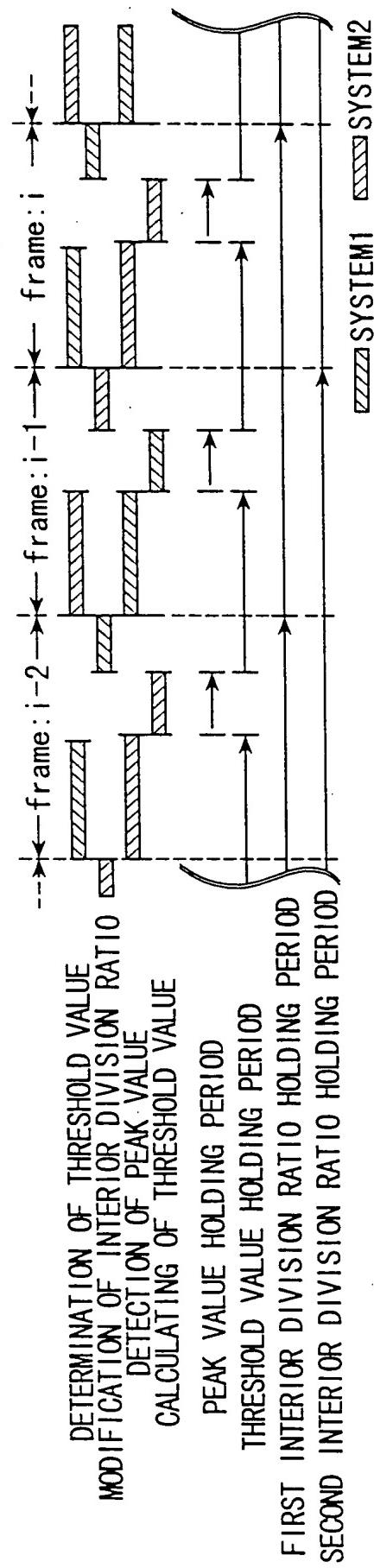


FIG. 67

APPROVED BY DRAFTSMAN	O.G. FIG.
	CLASS SUBCLASS

FIG. 68 A

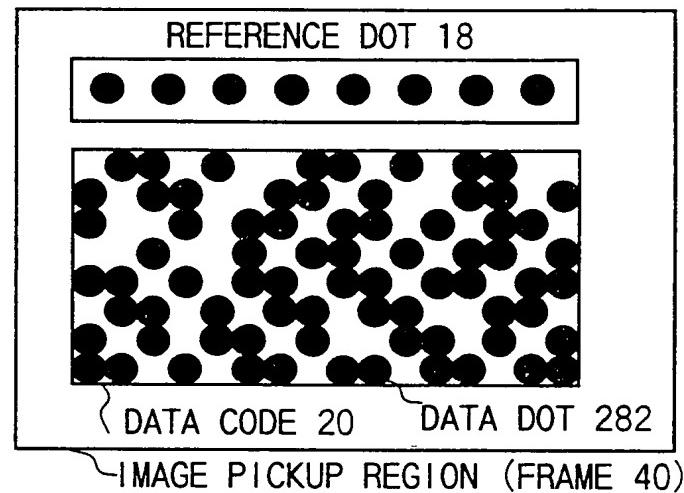


FIG. 68 B

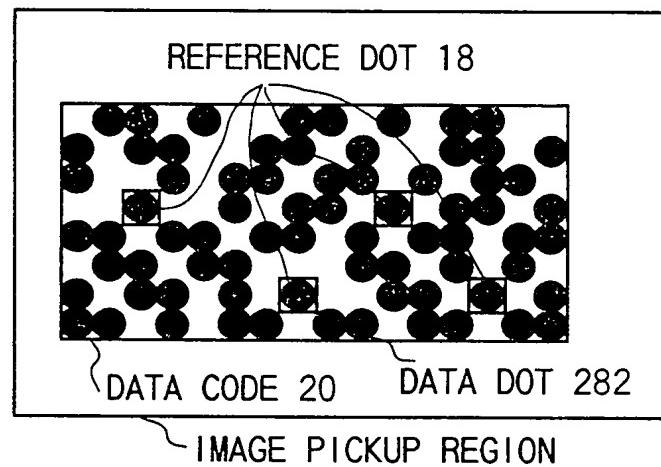
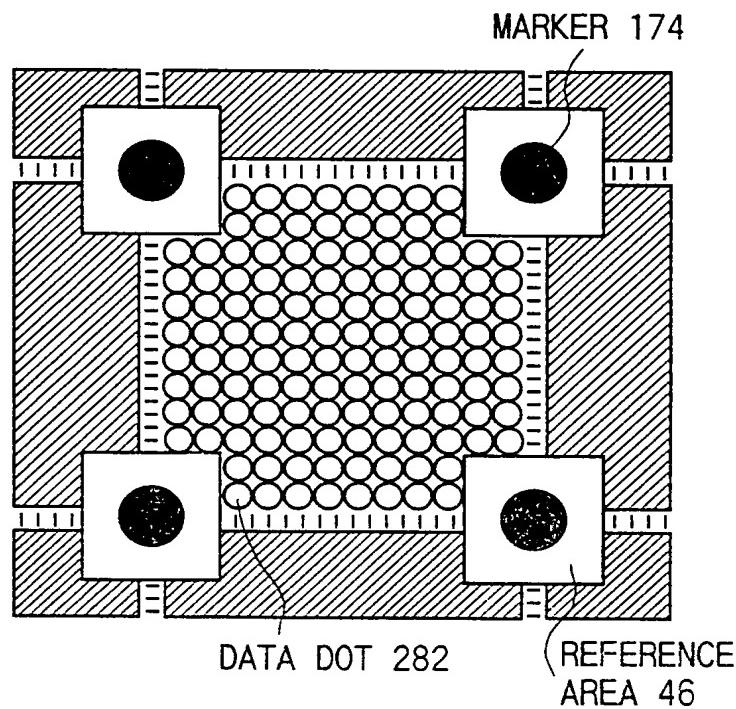


FIG. 69 A



APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

FIG. 69 B

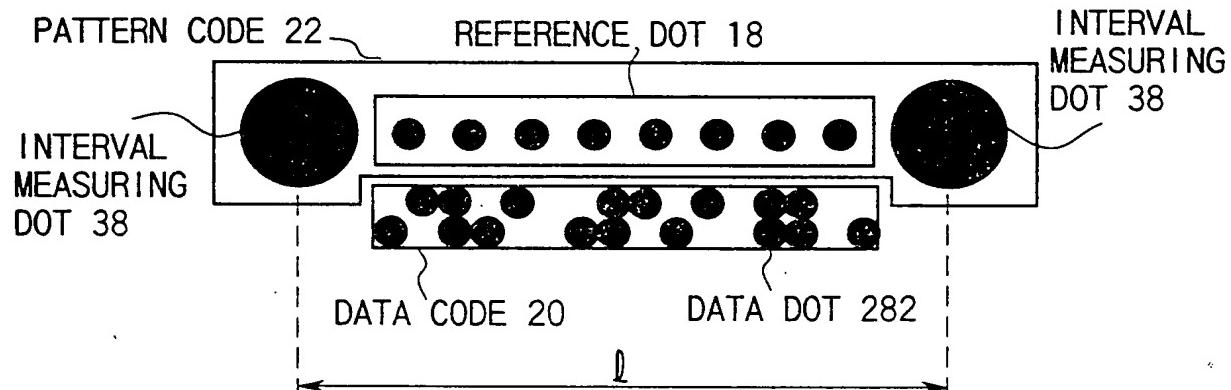
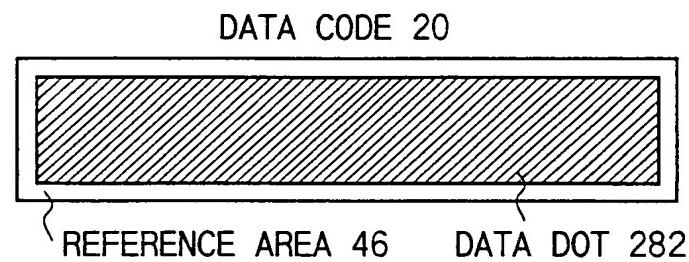


FIG. 70 A

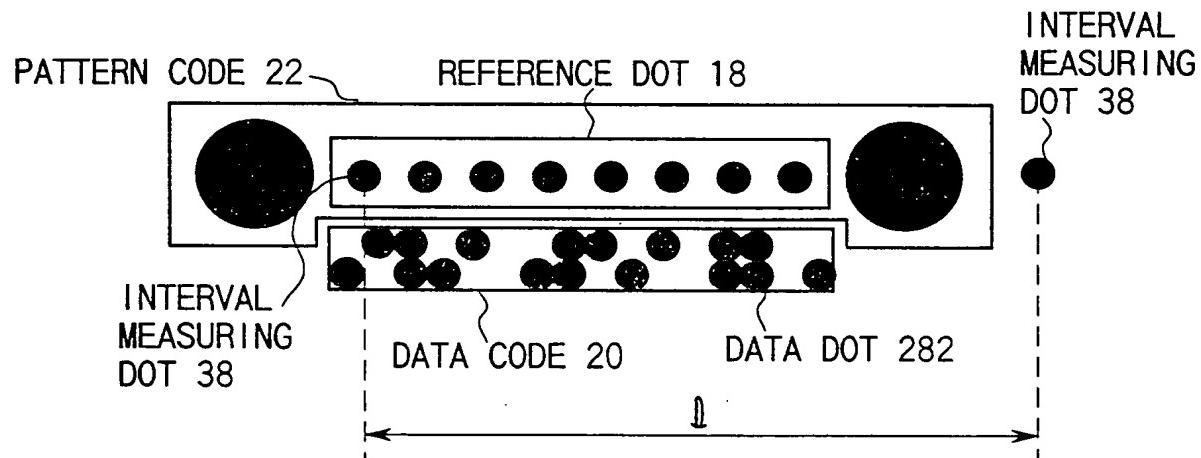


FIG. 70 B

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLAS96
DRAFTSMAN		

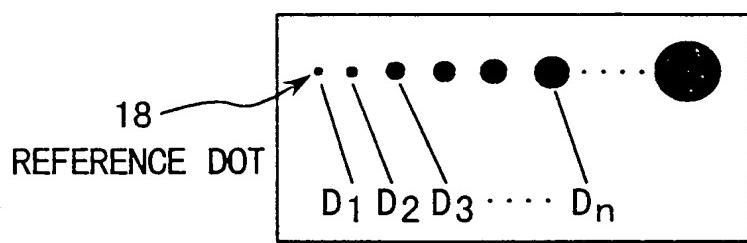


FIG. 71A

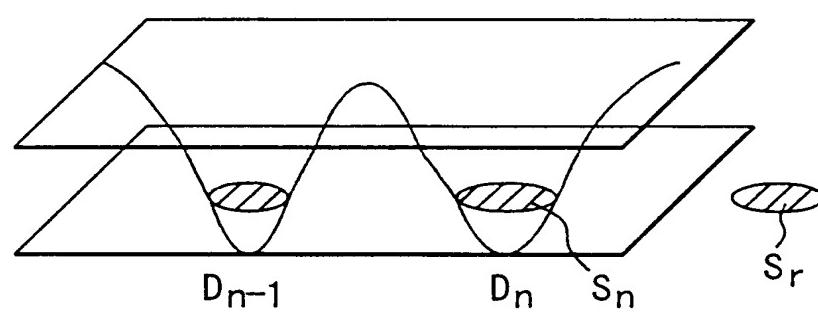
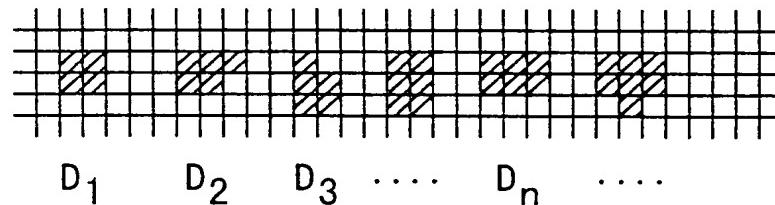


FIG. 71B



MINIMUM PRINTING UNIT
 (RESOLVING POWER OF PRINTER)

FIG. 74

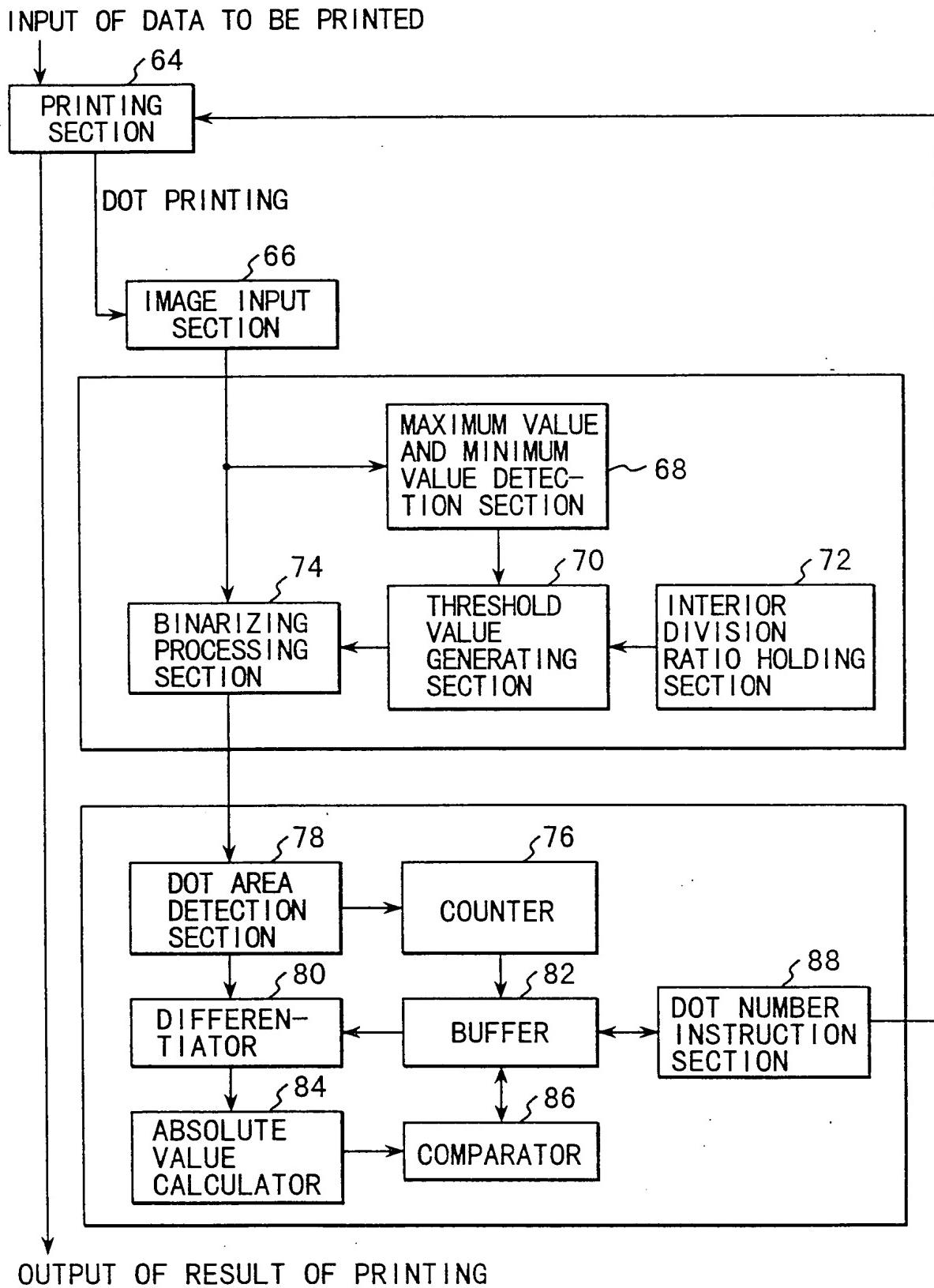


FIG. 72

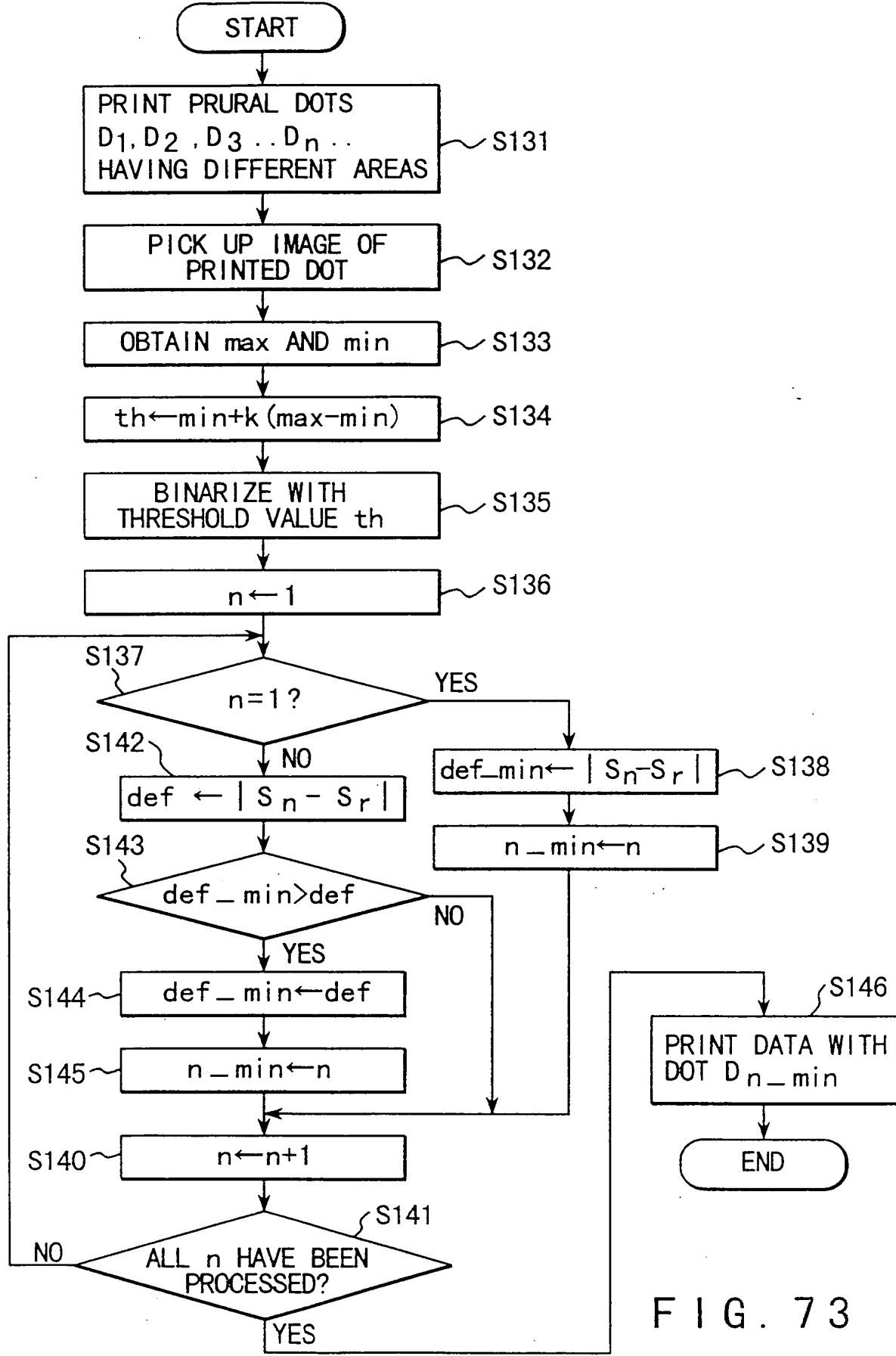
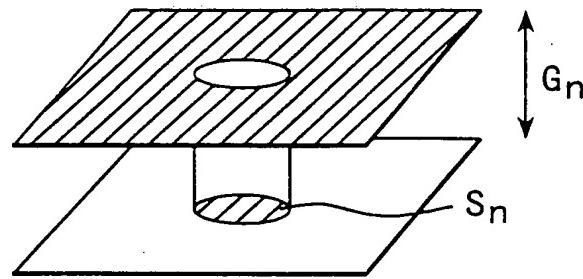
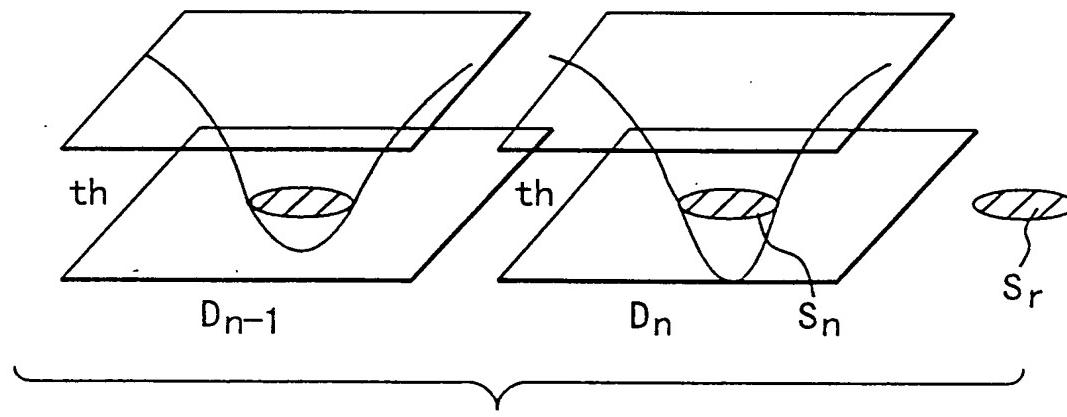
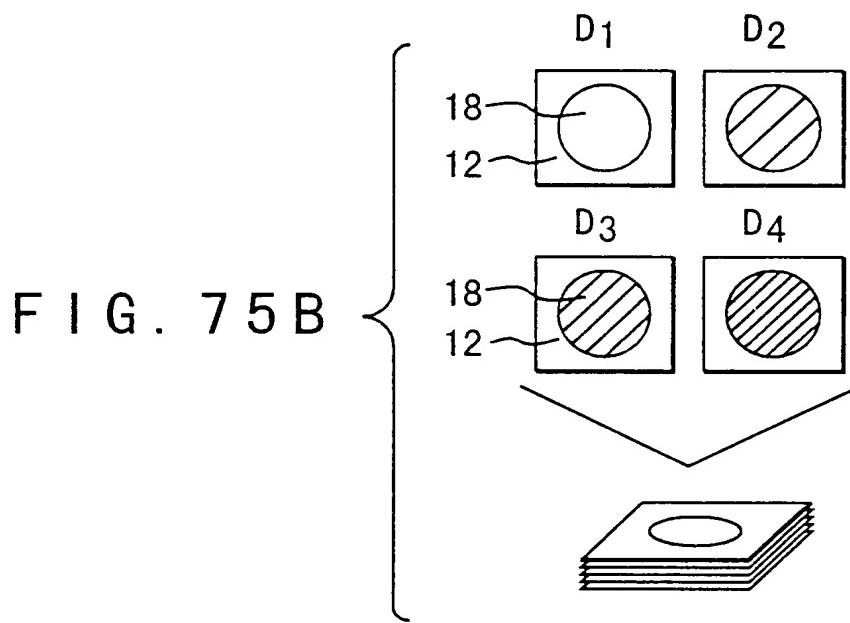


FIG. 73

APPROVED BY DRAFTSMAN	O.G. FIG.
	CLASS SUBCLASS



F I G . 7 5 A



F I G . 7 5 C

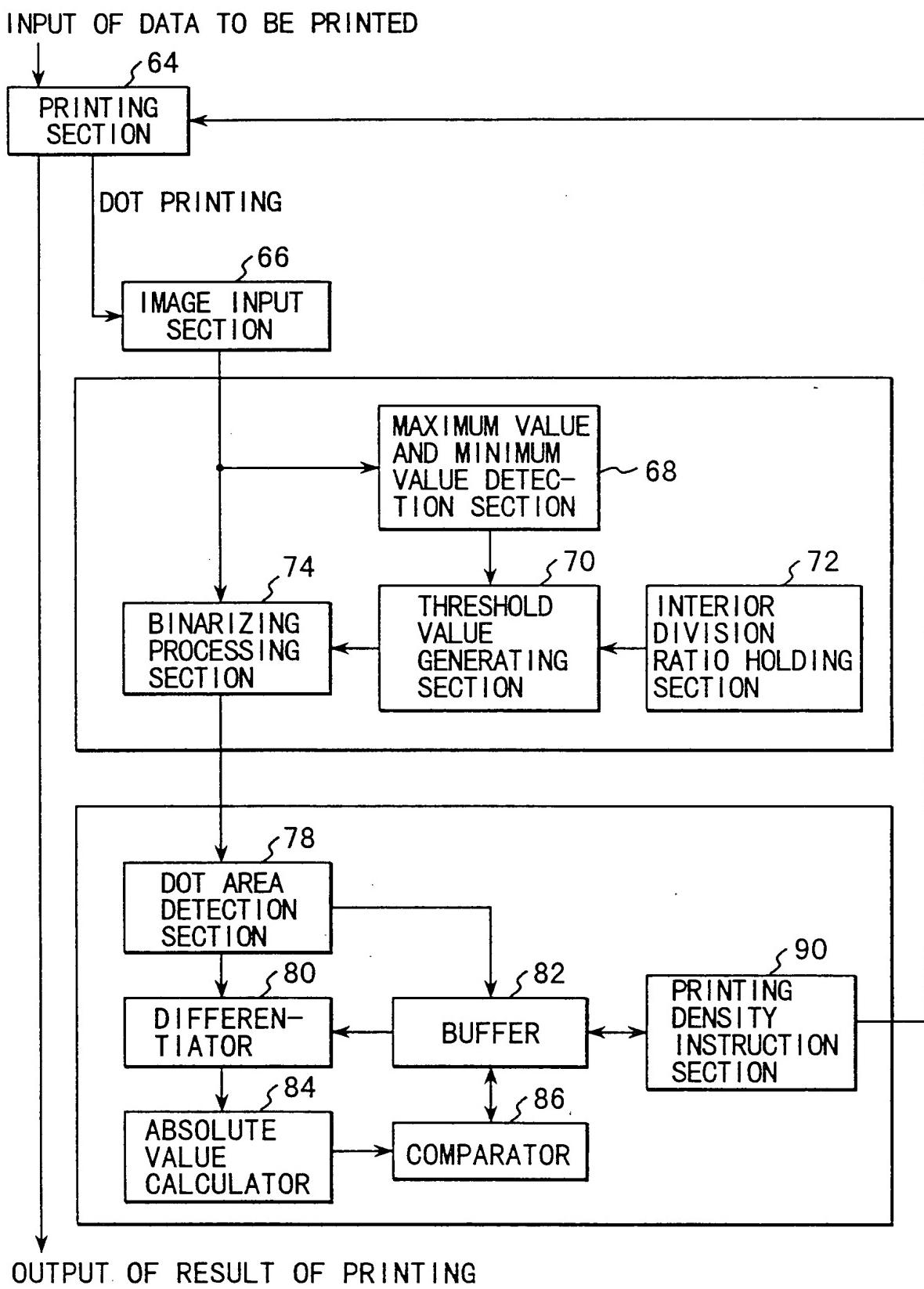


FIG. 76

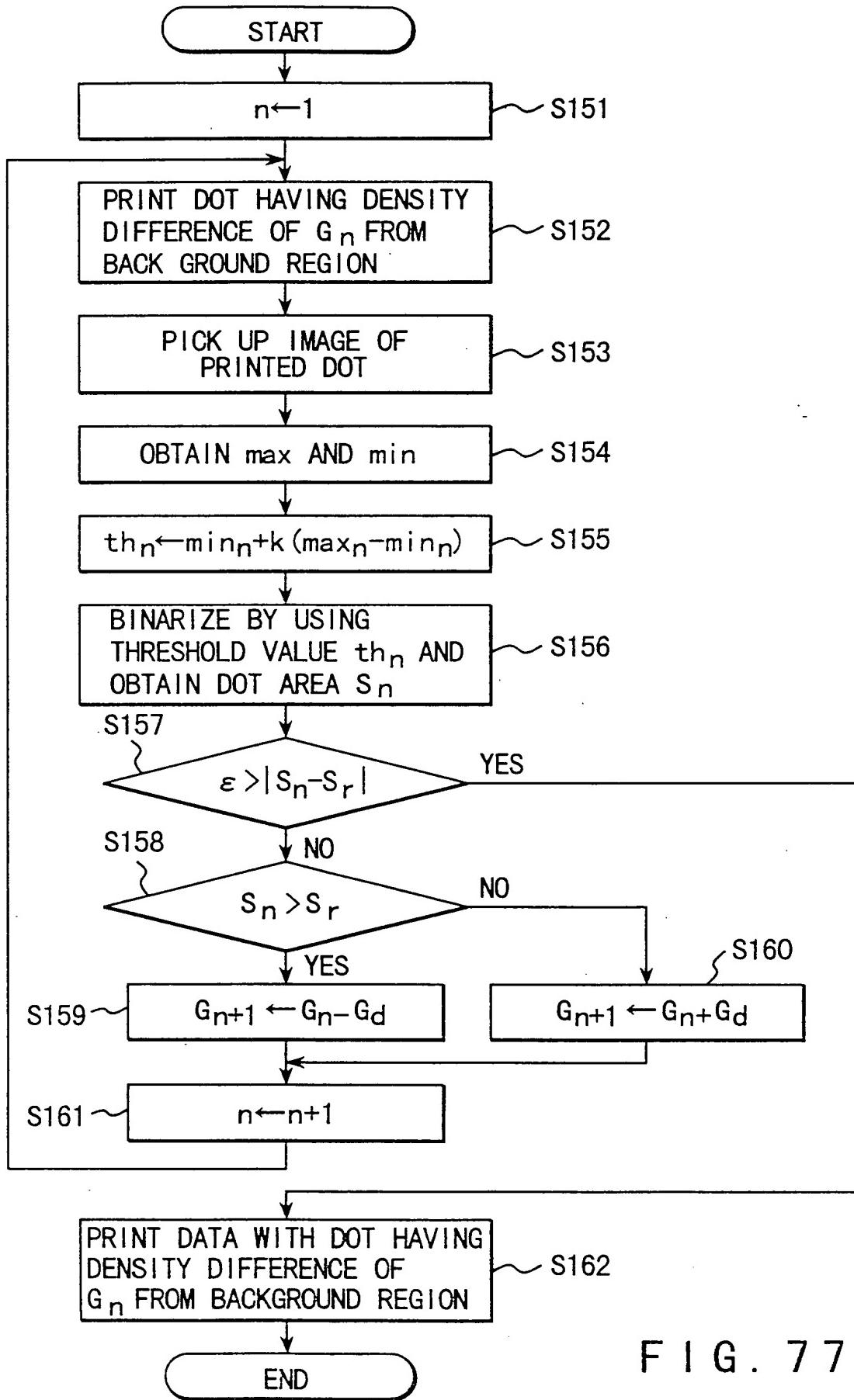
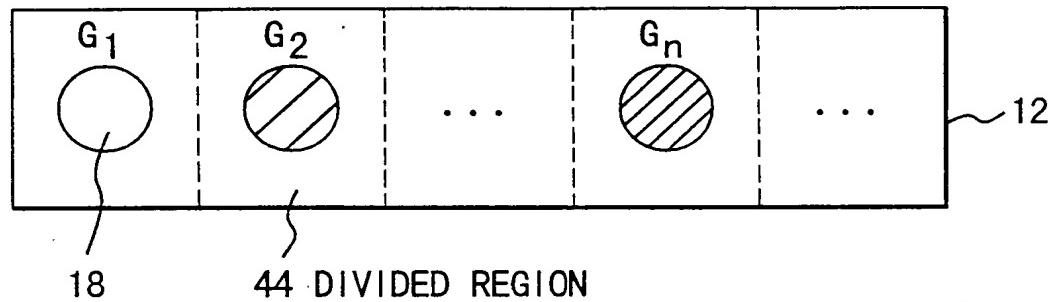
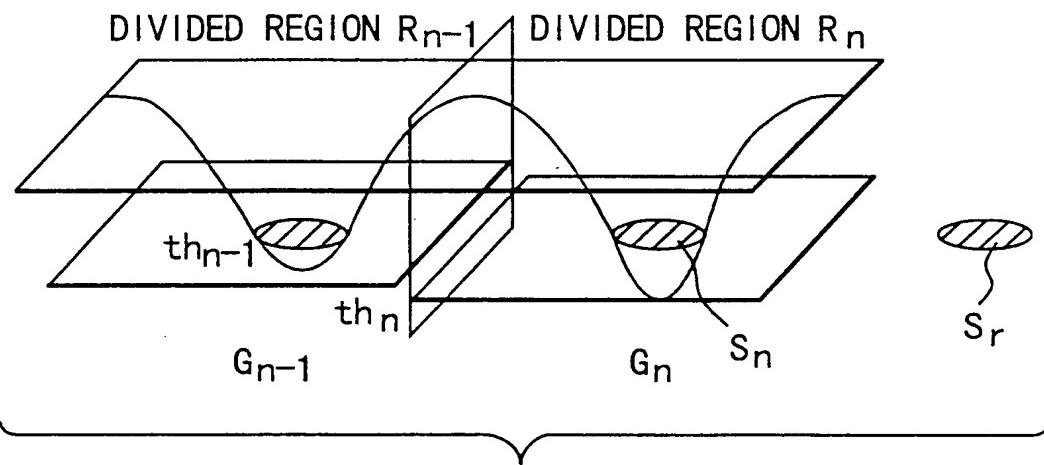


FIG. 77

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		



F I G . 7 8 A



F I G . 7 8 B

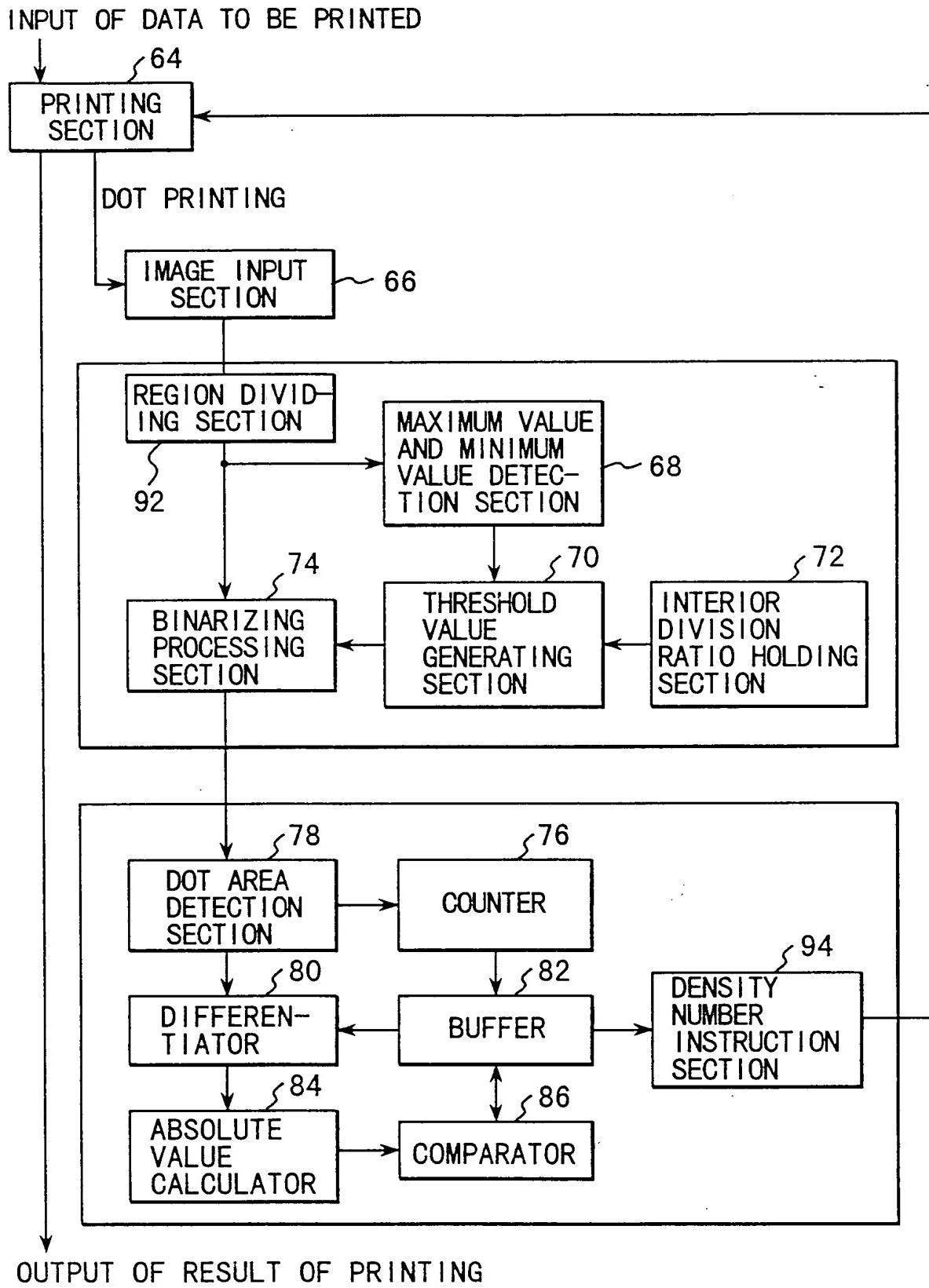


FIG. 79

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

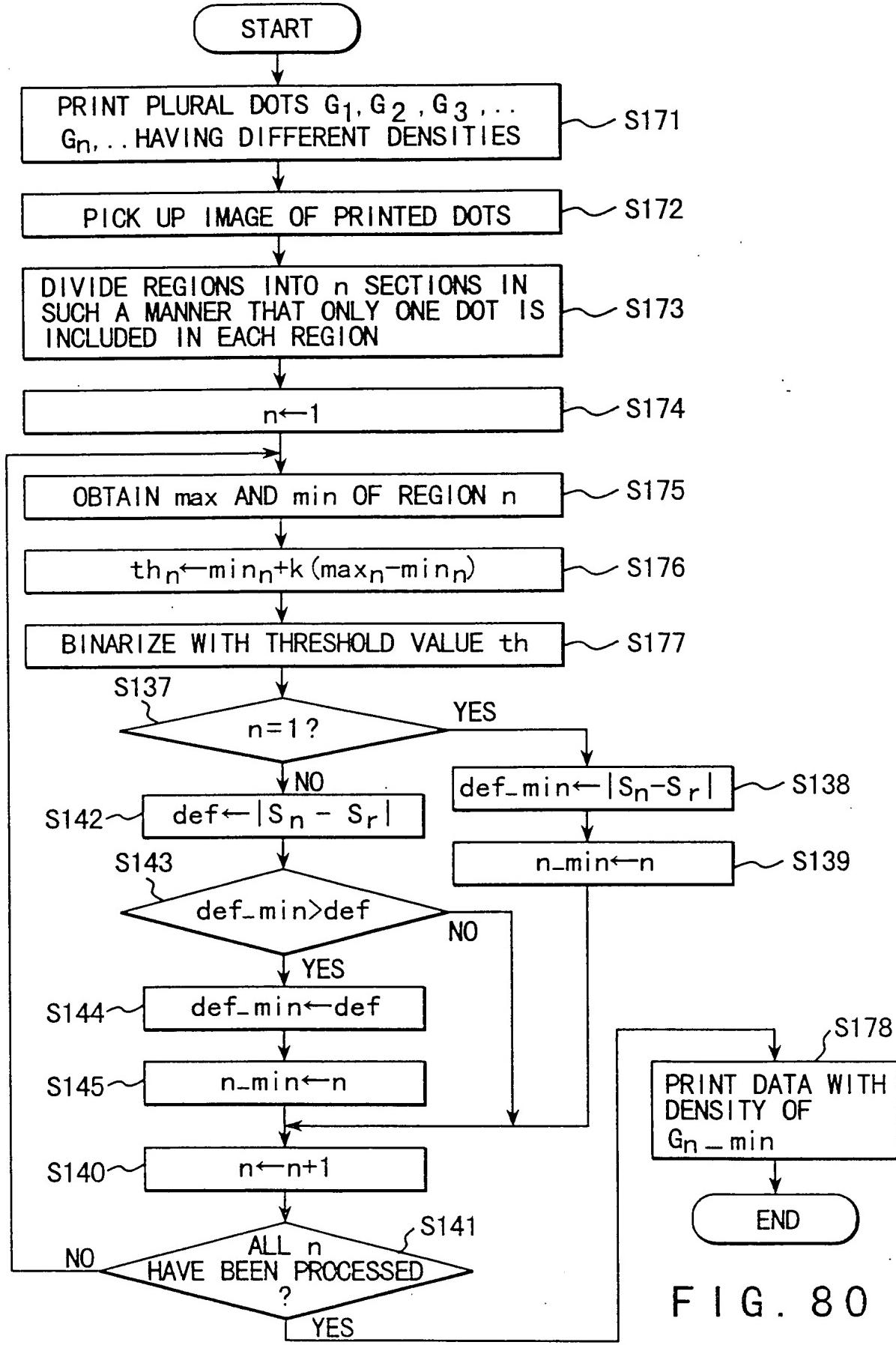


FIG. 80

APPROVED	O.G. FIG.
BY	CLASS
DRAFTSMAN	SUBCLASS

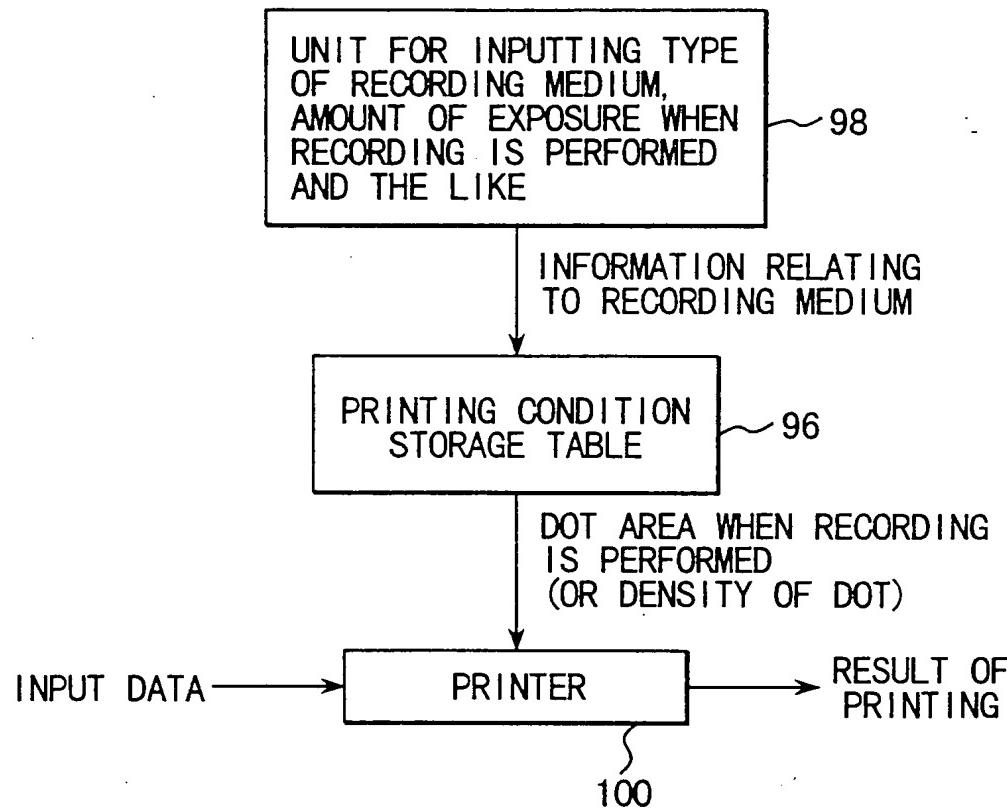


FIG. 81